

The IUCN Species Survival Commission

1996 IUCN Red List of Threatened Animals

Compiled and Edited by
Jonathan Baillie and
Brian Groombridge



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Compiled and Edited by
Jonathan Baillie and Brian Groombridge

with the assistance of
Mariano Gimenez Dixon, Angela Barden,
Neil Cox, Belinda Gray, Simon Stuart,
Martin Sneary, Timothy Johnson, Julie Reay,
Elizabeth McCance, and Georgina Mace

in association with experts in the
IUCN Species Survival Commission,
World Conservation Monitoring Centre,
and BirdLife International

Guest Essays by
Ulf Gärdenfors
Alison Stattersfield

Foreword by
George Rabb



Contributions to the IUCN/Species Survival Commission and the 1996 IUCN Red List of Threatened Animals

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The Sultanate of Oman established the Peter Scott IUCN/SSC Action Plan Fund in 1990. The Fund supports Action Plan development and implementation; to date, more than 80 grants have been made from the Fund to Specialist Groups. As a result, the Action Plan Program has progressed at an accelerated level and the network has grown and matured significantly. The SSC is grateful to the Sultanate of Oman for its confidence in and support for species conservation worldwide.

The Chicago Zoological Society (CZS) provides significant in-kind and cash support to the SSC, including grants for special projects, editorial and design services, staff secondments, and related support services. The President of CZS and Director of Brookfield Zoo, George B. Rabb, serves as the volunteer Chair of the SSC. The mission of CZS is to help people develop a sustainable and harmonious relationship with nature. The Zoo carries out its mission by informing and inspiring 2,000,000 annual visitors, serving as a refuge for species threatened with extinction, developing scientific approaches to manage species successfully in zoos and the wild, and working with other zoos, agencies, and protected areas around the world to conserve habitats and wildlife.

The National Wildlife Federation (NWF) makes a significant annual contribution to the SSC Conservation Communications Fund, in addition to grants for in situ conservation coordinated by the SSC. NWF is the largest non-governmental, non-profit conservation education and advocacy organization in the United States. NWF's emphasis is on helping individuals and organizations of all cultures, in the United States and abroad, to conserve wildlife and other natural resources and to protect the earth's environment to assure a peaceful, equitable, and sustainable future.

The Council of Agriculture (COA), Taiwan, has awarded major grants to the SSC's Wildlife Trade Program and Conservation Communications Program. This support has enabled SSC to continue its valuable technical advisory service to the Parties to CITES as well as to the larger global conservation community. Among other responsibilities, the COA is in charge of matters concerning the designation and management of nature reserves, conservation of wildlife and their habitats, conservation of natural landscapes, coordination of law enforcement efforts, as well as promotion of conservation education, research, and international cooperation.

The World Wide Fund for Nature (WWF) provides significant annual operating support to the SSC. WWF's contribution supports the SSC's minimal infrastructure and helps ensure that the voluntary network and Publications Program are adequately supported. WWF aims to conserve nature and ecological processes by: (1) preserving genetic, species, and ecosystem diversity; (2) ensuring that the use of renewable natural resources is sustainable both now and in the longer term; and (3) promoting actions to reduce pollution and the wasteful exploitation and consumption of resources and energy. WWF is one of the world's largest independent conservation organizations, with a network of National Organizations and Associates around the world and more than 5.2 million regular supporters. WWF continues to be known as World Wildlife Fund in Canada and in the United States of America.

The following organizations also played an important role in relation to the IUCN Red List:

Publication of the *1996 IUCN Red List of Threatened Animals* was made possible by IUCN/SSC's co-publishing partner **Conservation International (CI)**. CI secured funds for the Red List production, including a generous grant from the **Margot Marsh Biodiversity Foundation (US)** and supported publication and distribution of the publication. CI helps people improve their standard of living while conserving their valuable natural resources. CI develops and promotes models to conserve ecological "hotspots," threatened rain forests, and other ecosystems in Latin America, Africa, and Asia. To ensure lasting solutions to conservation challenges, these models integrate economic, cultural, and ecological factors, and are designed to strengthen local capacity for conservation.

The World Conservation Monitoring Centre (WCMC) is SSC's data management partner, and manages the database from which the IUCN Red List is generated, and has provided much of the information for this edition. WCMC, based in Cambridge, UK, is a joint-venture between the three partners in the *World Conservation Strategy*, and its successor, *Caring for the Earth*: IUCN, UNEP (the United Nations Environment Programme), and WWF. WCMC provides information services on the conservation and sustainable use of species and ecosystems and supports others in the development of their own information systems.

BirdLife International compiles and maintains the bird component of the IUCN Red List. BirdLife is a worldwide partnership of conservation organizations that seeks to conserve all wild bird species and their habitats. Through this, BirdLife helps protect the world's biological diversity and supports the sustainable use by humans of the world's natural resources. BirdLife is a national force in 58 countries around the world and represented in a further 26 nations.

The Nature Conservancy (TNC) supplied data for many of the North American species included in the IUCN Red List. TNC is an international non-governmental organization whose mission is to preserve the plants, animals, and ecological communities that represent the diversity of life on Earth. With more than 800,000 members, the Conservancy owns and manages over 1,600 preserves, the largest private system of nature sanctuaries in the world. Internationally, the Conservancy works to support in-country organizations and agencies that share its focus on the protection of biological diversity. The Conservancy has also helped establish a network of Natural Heritage Programs and Conservation Data Centers, based in state and national agencies and private organizations throughout the United States, Canada, and Latin America.

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Foreword

The Red List of Threatened Animals is a warning flag, signalling for global attention to the perilous status of many species. In its approach, this Red List is different from all its predecessors and the existing Red Data books. It employs a more rigorous system for assessing degree of threat of extinction, a system reflecting current knowledge in population biology in relation to conservation concerns. This more objective approach should help focus attention on the causative factors behind the diminished geographic ranges, declining populations, and small numbers that characterize endangerment in many species.

The Red List is incomplete because of our ignorance of the vast majority of life forms on the planet, most of them invertebrates and other microfauna. Nevertheless, the status of the larger species covered by the Red List is indicative of the circumstances for many smaller species that occupy the same environments as the larger species. In this connection, a notable achievement in preparation of this edition of the Red List was review of all species of mammals. Thanks to this work and to the prior work of BirdLife International, two classes of vertebrates have now been assessed. It is of significance for conservation planning and action that the less vagile group, the mammals, has proportionately more species at risk of extinction than the birds.

The observations above reflect very considerable accomplishments. First, the development of the new system for categorizing threats was a formidable task. Led by Georgina Mace, the effort involved hundreds of consultations and much debate over several years before there was a product suitable for adoption by IUCN-The World Conservation Union. The conservation community is truly indebted to Dr. Mace and her many collaborators for their work.

Second, the application of the new system to species on prior lists and to other species was also a daunting undertaking. Many Specialist Groups of the Species Survival Commission and BirdLife International carried out this work. Jonathan Baillie gave crucial attention to coordination and instruction of this work, and his service deserves the gratitude of conservationists everywhere.

Most conservation actions are carried out in national contexts, and going forward, the new approach to categorizing conservation status needs to be adapted for use at the national level. The IUCN is encouraging the development of National Biodiversity Conservation Groups, and it is important that they be suitably equipped with cogent information in directing their efforts to effect conservation of endemic species.

As biological gauges of endangerment, the Red Lists of species should be considered as calls for attention to causal factors. The causes of endangerment range from habitat destruction and overharvesting to pollution and introduction of invasive species. Thoroughgoing review of the Red List in relation to these proximate causes may help focus relevant research, education, training, and policy development within the IUCN networks and the conservation community generally. In turn, such work can inform and inspire appropriate governmental and social actions to stem the loss of biological diversity illustrated so explicitly by this Red List. Looking ahead, such responsiveness will be obligatory if we are to deal at all adequately with global change phenomena that are impacting the long term survival prospects for ecosystems and their distinctive complements of species.

George B. Rabb
SSC Chair

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Although it is always dangerous to draw attention to particular names from such a list, special mention must be made of the extraordinary effort made by the SSC Mollusc Specialist Group, under the leadership of Mary Seddon and Philippe Bouchet, which evaluated a huge number of species for inclusion in the *1996 IUCN Red List of Threatened Animals*.

The data on birds are taken from BirdLife International's 1994 publication *Birds to Watch 2*, which is

the official source for birds on the IUCN Red List. We would like to thank Nigel Collar and Alison Stattersfield for their assistance in making the bird data available. Data for a number of species of North American reptiles, amphibians, fishes, and invertebrates are generously provided by the Nature Conservancy, and we thank Bruce Stein and Jeff Lerner for their help. Data on marine fishes were provided through a workshop supported by the Institute of Zoology (UK) and the World Wide Fund for Nature, and special thanks are due to Elodie Hudson, Georgina Mace, and Mike Sutton for making this possible. Additional thanks goes to Maurice Kottelat for his advice on Eurasian fishes. We also would like to thank Flora and Fauna International for supporting Simon Mickleburgh and Mark Day in their contributions to the Red List.

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Particular mention must be made of the extraordinary amount of work undertaken by the World Conservation Monitoring Centre in support of the *1996 IUCN Red List of Threatened Animals*. Research, fact-checking, and data entry were carried out by Angela Barden, Neil Cox, and Belinda Gray. Electronic data merges were undertaken by Martin Sneary, who also designed and implemented changes to the database, and produced output files for data tables and taxonomic lists. Julie Reay supervised the final production of tables and lists. Terry Hart was responsible for the final production of the tables and lists to produce the camera-ready copy. Overall quality control and coordination was provided by Brian Groombridge. Tim Johnson and Brian Groombridge were the project managers. WCMC generously supported this project over and above the level of funding provided by IUCN, without which this edition could not be produced.

The task of compiling the *1996 IUCN Red List of Threatened Animals* presented particular challenges, resulting from the adoption of the new IUCN Red List categories in November 1994. This made it impossible to carry listings forward from the 1994 IUCN Red List.

Jonathan Baillie took the responsibility of assisting the SSC Specialist Groups and other experts to use the new system, and apply it to thousands of species. Without Jonathan's assistance, the first ever evaluation of all mammal species for their threatened status would not have been completed in time for this edition. Jonathan developed a guide on how to use the new categories and criteria, which was widely used by SSC members. He was also responsible for writing most of the Introduction and Analysis sections of the *1996 IUCN Red List of Threatened Animals*. Brian Groombridge provided considerable assistance with the introductory section and, in particular, was responsible for the Organization of Information, Information Sources and Quality, and Data Table sections. Mariano Gimenez Dixon played a major role in helping to evaluate a number of the lesser-known species under the new system, and assisted Jonathan in providing support and advice to SSC members. Georgina Mace was a constant source of wisdom and advice throughout the process, and provided valuable editorial comments. Simon Stuart was the IUCN project manager, and served as overall editor of the introductory sections.

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Production of the *1996 IUCN Red List of Threatened Animals* would not have been possible without the ongoing support of the long-term donors to the IUCN Species Survival Commission: the Sultanate of Oman (which established the Peter Scott IUCN/SSC Action Plan Fund); the Chicago Zoological Society; the National Wildlife Federation; the Council of Agriculture, Taiwan; and the World Wide Fund for Nature. English Nature has also provided financial support to assist in the publication of this Red List. In particular, publication of the 1996 IUCN Red List was made possible by IUCN/SSC's co-publishing partner, Conservation International. Conservation International secured funds from the Margot Marsh Biodiversity Foundation (US) and supported the publication and distribution of the publication. Particular thanks are due to Russ Mittermeier and Jorgen Thomsen of Conservation International for making all this possible.

Introduction

For more than thirty years, the Species Survival Commission (SSC) has been assessing the conservation status of species and subspecies on a global scale in order to highlight taxa threatened with extinction, and therefore promote their conservation. Although today we are operating in a very different political, economic, social, and ecological world from that of the first IUCN Red Data Book, the SSC remains firmly committed to providing the world with the most objective, scientifically-based information on the current status of globally threatened biodiversity. As species and subspecies are the bearers of genetic diversity and the building blocks of ecosystems, information on their conservation status and distribution provides the foundation for making informed decisions about preserving biodiversity at local to global levels.

Goals

The goals of the *1996 IUCN Red List of Threatened Animals* are to:

- Provide scientifically-based information on the status of species and subspecies at a global level
- Draw attention to the magnitude and importance of threatened biodiversity
- Influence national and international policy, and decision making
- Provide information to guide actions to conserve biological diversity

Improving the Red List as a Conservation Tool

We have introduced several innovations which have enhanced the effectiveness of the 1996 IUCN Red List as a conservation tool:

- At the species level, the conservation status of all vertebrates and the majority of invertebrates listed in the 1994 Red List has been re-assessed;
- For the first time, all mammal species have been assessed, in addition to many other species that had not previously been evaluated;
- We have adopted and applied a more objective system for classifying conservation status, that allows comparisons to be made across species in assessing likelihood of extinction;

- The information is presented in a more user-friendly manner so that it may be used by a much larger and varied audience; and
- We have tried to make the information more accessible as it is posted on the World Wide Web, with links to other threatened biodiversity information sources.

With the help of a network of more than 6,000 SSC Specialist Group members, and data from BirdLife International, the World Conservation Monitoring Centre, and The Nature Conservancy, the *1996 IUCN Red List of Threatened Animals* is the most comprehensive inventory ever of threatened species and subspecies on a global scale. The efforts of the large network of volunteers and partner organizations have resulted in the recognition of the 5,205 threatened taxa listed in this book.

The conservation status of every mammal species in the world is assessed for the first time in the 1996 IUCN Red List. The only other major taxonomic group that has been comprehensively evaluated is birds (Collar *et al.* 1994). Assessing every species in these taxonomic groups represents a major milestone in conservation, enabling us to determine clearly the overall status of mammals and birds, and to continue to monitor the trends within these higher-taxon groups.

Although determining the conservation status of all birds and mammals is a great step forward in conservation, these two classes represent about 30% of vertebrates and only 0.8% of all named species. Within the next five to ten years, we hope to have all known higher vertebrates and freshwater fishes completely assessed. Unfortunately, given lack of financial resources, and the sheer magnitude of the numbers of lower vertebrate and invertebrate species, it will probably be a long time before these taxa receive comprehensive conservation assessments. Furthermore, there are currently about 1.5 to 1.8 million named species, but it is estimated that the actual number of species in the world ranges from 5 to 10 million (May *et al.* 1995). If this prediction is correct, then thousands to millions of species may be missing from the Red List because they have not yet been discovered or described. Nevertheless, despite these difficulties, the number of invertebrate and fish species included within the Red List has risen sharply in the last three published editions.

To improve the quality and usefulness of the information in the Red List, we have used the new IUCN categories and criteria, approved by IUCN Council in 1994. This system improves the objectivity of the listing process by providing quantitative criteria that define each category of threat (Critically Endangered, Endangered, and Vulnerable). It also requires specialists who provide assessments to give a reason for the listing of each species or subspecies in a particular threat category. Providing specific reasons for listing: (1) improves the accountability of the system; (2) provides information that may lend insight into processes driving extinction for a specific species, taxonomic groups, or taxa in a particular region; and (3) provides the basis for systematically monitoring changes in status over time. Details of the new system can be found in the section entitled The New IUCN Categories and Criteria, and also in Annex 2 at the end of this publication.

The Red List was traditionally written for a scientific audience (Scott *et al.* 1987), but as the imperiled status of biological diversity has become increasingly evident, the general public and policy makers have taken a much stronger interest in the growing list of threatened taxa. We have changed the format of the publication to appeal to a much wider audience while retaining scientific content. Where possible, common names have been included for all species and subspecies.

The 1996 IUCN Red List of Threatened Animals is now on the World Wide Web at (http://www.wcmc.org.uk/data/database/rl_anml_combo.html). This allows any person with Web access to use the database to obtain information such as:

- What percent of known and assessed species are threatened?
- Which species and subspecies are the most threatened?
- Which taxonomic groups are at the greatest risk of extinction?
- Where are the most threatened species located?

Currently, links are being developed to allow direct access to relevant SSC Specialist Group Action Plans or Specialist Group home pages. IUCN will be developing Web connections between the Red List and other biodiversity information sources. This will enhance the value of the Red List as a starting point for exploration of conservation options, ranging from the genetic to the ecosystem level.

Organization of Information

The 1994 IUCN Red List of Threatened Animals was a major advance on its predecessors in clarity of layout and amount of information presented on each species. This is maintained in 1996, and the lists further reflect the refinement built into the revised system of categories.

There are eight categories in the new system. All taxa within these categories have an entry in the seven lists below except those in the Not Evaluated category (NE) and those in the Lower Risk subcategory of “least concern” (LR:lc). All assessments (except the small number of geographically isolated populations in List 6, which are not recognized taxonomically) are of the taxon as a whole, i.e. indicate the global risk of extinction.

The first priority in compiling this present edition of the Red List was to assess all known mammal species; the second was to re-assess all other vertebrates in the 1994 Red List; the third was to cover the invertebrate groups in the 1994 Red List for which an active IUCN Specialist Group exists. These goals have been achieved. It can be assumed therefore that any bird or mammal species (unless described too recently to have been evaluated, or not generally accepted as a full species) that is not in one of the lists in this publication falls within the “least concern” division of the Lower Risk category. The fourth priority was to deal with remaining invertebrates; relatively few of these have been assessed.

Contents of Taxonomic Lists

List 1 Threatened Species

This list includes all the full species categorized at global level as either Critically Endangered (CR), Endangered (EN), or Vulnerable (VU). Only taxa within any of these three categories are collectively termed “threatened”, and this list is the current central catalogue of animal species identified as globally threatened under the new category system.

List 2 Lower Risk: conservation dependent

Species for which sufficient data exist for an assessment to be made, but which are not in a threatened category (List 1) or extinct (List 4) are Lower Risk. This has three sub-divisions. Of these, Lower Risk: conservation dependent (LR:cd) includes species that are the subject of a targeted conservation program, the ending of which would result in the taxon moving into a category of threat within five years.

List 3 Lower Risk: near threatened

This includes species in the “near threatened” subcategory of the Lower Risk category (LR:nt). Taxa in this subcategory are “near threatened” in the sense of being close to the threshold of the Vulnerable category.

List 4 Extinct and Extinct in the Wild

The second list in the 1994 Red List was a compilation of species categorized by IUCN as extinct or probably extinct in the wild, and a number of species that had not been categorized by IUCN but which were known to have become extinct since around 1600 AD. That previous compilation is the basis for this list, which includes two distinct categories in the revised system, Extinct (EX) and Extinct in the Wild (EW). This list reflects some movement of species between extinct and threatened categories as a result of new information or interpretation.

List 5 Data Deficient

This category includes species that lack the data needed to make an assessment of risk possible. Taxa in this category differ from those in the Not Evaluated category in that the question of data availability has been considered in the former but has not yet been considered in the latter.

List 6 Subspecies and Populations

This includes all subspecies that were listed in 1994 and which have been reassessed for 1996. All categories are included here, except Lower Risk: least concern. In most instances subspecies are only listed if the full species of which they are a component has also been evaluated. For the first time, a number of geographically isolated intraspecific populations have also been listed where a special conservation need has been identified. In List 6 the letters “cd” and “nt” in place of the criteria shown in List 1 indicate, respectively, the “conservation dependent” and “near threatened” subcategories of Lower Risk.

List 7 Taxa Removed from the 1996 Red List

Of the taxa that appeared in previous Red Lists, some have been evaluated using the new categories and some have not. In the former group, many have been assessed as Lower Risk: least concern (LR:lc). Taxa in this subcategory are not in general listed in this publication, but

an exception is made for taxa that were formerly listed in order to highlight the change in status. These appear in the first part of List 7. The names of taxa previously listed but not evaluated at the time of going to press appear in the second part of List 7. The second part of List 7 also contains a small number of as yet undescribed species for which full details have not been provided (see below) and which therefore have not been included in the main lists. It is possible that unresolved taxonomic problems may have led to some duplication of entities in List 7 and Lists 1-6.

We do not list any of the species formerly listed in the Commercially Threatened category (List 5 in the 1994 Red List). This category was a form of threat classification, not a risk assessment, and so is not recognized in the new system. Of the species formerly listed in this category, none has been assessed for the 1996 Red List, except the single vertebrate (*Macaca nemestrina*, now VU). We do not list any of the genera and other higher taxa formerly listed in List 3 of the 1994 Red List. Many of the Lake Victoria cichlid fishes have now been assessed at species level and appear in appropriate sections of the present Red List; none of the other groups has yet been assessed at species level. The new category system is valid only for species and subspecies, not higher taxa.

Notes on Species Category Lists

Each standard entry in Lists 1, 4 and 6 has the following format:

- scientific name
- common name (where available)
- category abbreviation (in bold), source of category assessment (in superscript, see key in Annex 1), criterion or criteria (for threatened categories only)
- range countries

Lists 2, 3 and 5 each contain species in a single category; the category in these cases appears in the title header for the list (left-hand page) rather than in the species entry itself. Some of the stocks and populations included with subspecies in List 6 have a distinguishing geographic or common name in an additional line under the scientific or common name.

We give the criteria for the highest category to which the species can be assigned but not for any lower category that might also apply (for birds this corresponds to the criterion or criteria printed in bold in *Birds to Watch 2*).

A small number of marine fishes in List 1 and List 6 have the letter C in parentheses after the species name. This indicates that a caveat formulated at the workshop

on categorizing marine fishes (Hudson and Mace 1996) applies in particular to these populations. The text of this caveat is reproduced in the following paragraph. A note at the start of the fish section of List 1 stresses the preliminary nature of the marine fish assessments in general.

The criteria (A-D) provide relative assessments of trends in the population status of species across many life forms. However, it is recognized that these criteria do not always lead to equally robust assessments of extinction risk, which depend upon the life history of the species. The quantitative criterion (A1a, b, d) for the threatened categories may not be appropriate for assessing the risk of extinction for some species, particularly those with high reproductive potential, fast growth and broad geographic ranges. Many of these species have high potential for population maintenance under high levels of mortality, and such species might form the basis for fisheries.

Except where a species is known only by fossil material, it is typically an accumulation of negative evidence, i.e. repeated failure to find a species, that leads to the conclusion that extinction has occurred. Several species once thought recently extinct have been rediscovered and doubtless others will be in future; conversely it is certain that many species will have become extinct unnoticed and sometimes undescribed. The extinct species list is thus liable to change significantly over time because of these factors, and also because of changes in species level taxonomy.

Distribution Information

Distribution is recorded in terms of country names. Unless geographically very remote from each other, islands and other territories are included with the parent country. In the case of species that only inhabit islands significantly distant from the mainland, the island name is given in parentheses (e.g. Spain (Canary Is)).

With regard to marine species, country records are provided only for strictly coastal or inshore (or riverine) cetaceans, and for otherwise marine species that return to land to breed or nest (note that species without a country range in the database from which the Red List is generated are not represented in the data tables). For some marine species, and most strictly marine species we show generalized ranges in terms of FAO Fishery Areas, indicated by square brackets (e.g. [Atlantic (northeast, northwest), Indian Ocean (eastern)]). For many freshwater species, usually those restricted to a single water sys-

tem, freshwater ranges are also indicated by square brackets. Rivers and lakes are distinguished by R. and L. respectively (e.g. [R. Cetina], [L. Toba]). In a few instances, a second river name (e.g. [R. Danube (R. Tisla)]) indicates a section of the drainage in which the species occurs.

In most cases where populations are known to have been introduced or reintroduced to a country, this is indicated by [int] or [re-int] after the country name in the distribution text. Similarly, where populations are known or suspected to have been extirpated from a country, this is indicated by (ex) or (ex?).

Geopolitical events during recent years may have led to some inconsistency or errors in the distribution infor-

mation provided. Within reasonable limits every effort has been made to determine which of the new nations that were part of the former Czechoslovakia, Yugoslavia and USSR support species previously attributed to the larger unit. Thus, any record for "Yugoslavia" should refer to the current Serbia-Montenegro, but might in some cases refer to the former federation.

In List 6, containing subspecies and a number of stocks and other geographically isolated populations, the latter are indicated by (S) after the species name, and unless otherwise clear, the population or stock is indicated on the line under the species name (e.g. *Acipenser gueldenstaedti* (S), (Caspian Sea stock)).

Information Sources and Quality

Conservation Information

In the threatened species lists, the superscript number following the category abbreviation keys to the list of sources (Annex 1); note that this indicates the person or group responsible for the category and criteria designated, not usually the source of any other data represented in that entry. When the assessment is attributed to more than one person, names are in alphabetical order.

Where an active SSC Specialist Group exists for a taxon, that group has in general undertaken the status assessment and provided the resulting category and specification of criteria. In some cases these assessments have been the product of group discussion, but often they represent the judgement of individual Specialist Group members. Gaps in Specialist Group coverage of vertebrates have been filled by SSC staff (Jonathan Baillie: most mammals, Mariano Gimenez Dixon: North American "lower" vertebrates) and WCMC Species Unit staff (several groups, including Eurasian fishes). North American assessments were based in most cases on data provided by The Nature Conservancy (TNC). The assessment of Australian amphibians was based on data provided by the Australian Nature Conservation Agency (ANCA). The final assessments of these species to be made by ANCA may differ from those provided here.

The information from TNC was provided as print-outs from their databases. TNC has its own Biodiversity Element Ranking System (see Master 1991) which is based on very similar information requirements to those used in assigning the new IUCN Red List categories. As a result, it was possible to apply the IUCN categories, using species-related data supplied by TNC.

All categorizations of bird taxa have been provided by BirdLife International, and reflect the contents of *Birds to Watch 2* (Collar *et al.* 1994). This is the world list of threatened birds, and includes lists of Data Deficient and other species not in the threatened category group. BirdLife International originally employed an earlier version of the revised category system than that finally approved by IUCN Council. Subsequently, "conservation dependent" has been subsumed in the Lower Risk category, and there is an additional qualifier for the A (Declining Populations) criterion; these changes have been made in this present list. A small number of Specialist Groups covering birds have later made further assessments of species using the final version of the new category system, but it was decided in the interests of standardization to maintain the BirdLife International

assessments. Some of the later assessments are incorporated in recently published Action Plans.

While nominally all mammal species (i.e. those listed in Wilson and Reeder, 1993, but not all of those subsequently described) have now been assessed, the assessment process has been based on relatively poor or sparse information in the case of many rodents, insectivores, and microbats. The need for better data is most pressing among these groups that are generally small or very small in body size, but very rich in species.

Future editions of the Red List will aim, higher-taxon group by higher-taxon group, to produce complete assessments of all reptiles, amphibians and fishes.

Nomenclature

We have followed standard world checklists whenever possible in order to promote nomenclatural stability. In a very few instances a Specialist Group has used alternative systematic opinion.

The following paragraphs note the main taxonomic sources used. We have adopted the names of phyla used by Margulis and Schwartz (1988), but list them in reverse sequence; classes are listed in alphabetical sequence within phyla (phylum names do not appear in the lists). The world list of amphibians edited by Frost (1985) and revised by Duellman (1993) lists orders, families, genera, and species in nested alphabetical sequence. There is much to commend this practice, particularly where no one system is familiar to all users, and we have treated reptiles and invertebrates in this way.

Mammals

The names and sequence of orders and families, and the species content of families follows Wilson and Reeder (1993). Genera and species are alphabetical within families. Species nomenclature generally also follows this source, except when a Specialist Group has expressed a very strong preference for another system, or has used nomenclature different from Wilson and Reeder and we have been unable to resolve consequent ambiguities about the population content of species and their distribution. Principal departures from Wilson and Reeder, relatively few in number, are found in the primates and bovids.

Birds

Nomenclature for genera and species generally follows Sibley and Monroe (1990, 1993). Solely to maintain uni-

formity with *Birds to Watch 2*, we use the names and sequence of orders and families, and the species content of families of Morony, Bock, and Farrand (1975).

Reptiles

Turtles and tortoises generally follow Iverson (1992); crocodylians follow King and Burke (1989); tuatara systematics are after Daugherty *et al.* (1990). Names in common use, including by Specialist Groups or in national sources, have been employed for other groups of reptiles: there is as yet no standard world species checklist for lizards or snakes.

Amphibians

Nomenclature and sequence consistently follow Frost (1985) as updated by Duellman (1993).

Fishes

The names and sequence of orders and families, and the species content of families follows Eschmeyer (1990). Genera and species are alphabetical within families. Names in common use, including by Specialist Groups or in national sources, have been employed at the species level: there is as yet no published standard world species checklist for fishes. We have changed some family names given in contributions from the SSC Freshwater Fish Specialist Group in order to conform with the taxonomy of Eschmeyer.

Invertebrates

Parker (1982) has generally been followed for nomenclature at class, order, and family level and above. There is a lack of widely accepted class-level checklists for invertebrates and in the absence of such sources no attempt has been made to standardize names submitted for inclusion.

Undescribed Species

We have followed a policy developed by SSC regarding listing of undescribed species. These can be accepted only under the following conditions:

- There is general agreement that the undescribed taxon is in fact a species.
- Clear distribution information can be provided.
- Listing the undescribed species will potentially aid in its conservation.
- Specimen reference numbers are provided by which the species can be traced without confusion.
- The museum or other institution holding the collection and the individual responsible for the proposal can be identified.
- Whenever possible a common name can be added.

Undescribed species are represented in the lists by the generic name and the abbreviation "sp." Details of specimen numbers and institution are available on request from WCMC.

The New IUCN Categories and Criteria

After a long process of review and consultation, the new IUCN categories and criteria were adopted by the IUCN Council on November 30, 1994. This system was developed to improve the objectivity of classifying the conservation status of species, subspecies, and populations on a global scale and to provide more useful information about the status of taxa.

Why a New System?

To create a meaningful list of threatened species, those applying the classification system must have a common understanding of the categories of threat. The definitions for the former IUCN threatened species categories were largely subjective. Thus, different individuals could obtain widely different assessments for the same taxon, even using the same information. This was not a major problem in the 1960s and 1970s, because there was one person responsible for determining the status of all the species in the Red Data Books. Thus the system was consistently applied despite the vague threatened category definitions (Collar 1992). However, since the early 1980s, the SSC has expanded greatly, and the responsibility of assessing the conservation status of species shifted to the numerous SSC Specialist Groups. As more people became involved in the assessment process and used their own interpretations of the IUCN categories, it became increasingly evident that a less subjective and more accountable system was needed.

Devising an objective system is a very challenging task, because there is no clear line that separates threatened and non-threatened species. There is in fact a continuum, and we have to choose appropriate points at which to divide one group from another. Discussions of a new approach for assessing extinction risk was a major theme at the symposium, *The Road to Extinction*, held by the SSC in 1984; however, no single approach was agreed upon (Fitter and Fitter 1987). Again, in 1989, the SSC Steering Committee requested the development of a new approach that would provide the conservation community with useful objective information for conservation planning.

Mace and Lande (1991) presented the first outline for a new system in a paper which recommended categorizing species by their probability of extinction over a given period of time. They suggested that numerical thresholds could be set for each category of threat, and made specific proposals appropriate for higher vertebrates. Immediately after the publication of the 1991 version of

the system, it was tested by a number of the specialist groups on many different taxa through a series of Conservation Assessment and Management Planning (CAMP) workshops, organized by the SSC Conservation Breeding Specialist Group (CBSG). Following an extensive review and consultation process, including a major international workshop, Mace *et al.* (1992) proposed a major revision of the 1991 paper, adapting the criteria and their quantitative thresholds for each of the categories of threat to apply to all species. Also, the SSC initiated a process of broad consultation to solicit comments and recommendations from SSC members, other IUCN Commissions, IUCN member organizations and governments, and other experts. This process of consultation led to two more revisions of the system before it was officially adopted by the IUCN Council in November of 1994.

The IUCN Red List categories and criteria are applicable to all taxonomic groups, except micro-organisms. By providing a clear quantitative framework for the categories of threat, the objectivity of the listing process has been increased. Enhancing the objective nature of the system is intended to improve the consistency in its application. This facilitates the comparison of the status of species and subspecies from very different communities and backgrounds. The new system has been applied to every species and subspecies in the *1996 IUCN Red List of Threatened Animals*. For further information on how the new IUCN categories and criteria have been applied to a broad range of taxa, refer to Collar *et al.* 1994 and *Species* 24 and 25. Several groups are now working on guidelines for the application of the Red List categories and criteria to specific groups of taxa.

Summary of the IUCN Categories and Criteria

Every species and subspecies evaluated with the new system is classified into one of the eight categories. Three of the eight categories are known as the categories of threat: Critically Endangered, Endangered, and Vulnerable. Five criteria, denoted by the letters A-E, as well as subcriteria, denoted by numbers and lower case letters define the categories of threat. While this may appear somewhat confusing at first, the following summary should help to outline clearly the exact roles of the categories, criteria and subcriteria. For more detailed information please refer to the Annex at the end of this publication entitled *IUCN Red List Categories*.

The Categories

There are eight well-defined categories (refer to the Annex for full details) that enable the classification of almost every species or subspecies in the world. The eight categories are illustrated in bold in Figure 1.

Extinct means that there is no reasonable doubt that the last individual has died. Extinct in the Wild means that the species has been extirpated from its natural habitat. The definition for Extinct in the Wild (see the Annex at the end of this publication) gives guidance on the circumstances in which it is possible to pronounce a wild species extinct. Critically Endangered, Endangered, Vulnerable (the categories of threat) each have quantitative criteria that broadly reflect different levels of risk of extinction. The details of these criteria are discussed at greater length in a separate section to follow. The Lower Risk category has three subcategories:

- **Conservation dependent:** taxa that do not qualify for the Vulnerable category only because of species-specific or habitat-specific conservation efforts, the cessation of which would result in the taxon qualifying for one of the threatened categories within a period of five years
- **Near threatened:** taxa that are not Conservation Dependent, but almost qualify for one of the Vulnerable criteria

- **Least concern:** taxa that are not in any immediate danger of extinction.

These subcategories are intended to support the monitoring of species' status, and can indicate particularly significant circumstances, such as species close to threatened status and those dependent on continuing conservation actions.

The remaining two categories do not reflect the conservation status of taxa. The Data Deficient category highlights taxa for which information to make a sound conservation assessment is lacking. The category Not Evaluated applies to taxa that have not yet been assessed with the new system.

The Categories in Use

When the categories are applied to an individual species or subspecies, they provide a snapshot in time of the taxon's conservation status or indicate that more information is needed. Comparison of assessments over time will identify trends in the conservation status of a particular taxon.

The categories provide a framework that allows for analysis of the conservation status between widely different higher taxonomic units such as Family Felidae, Order Diptera, or Class Reptilia. Also, comparing the classification of taxonomic groups over time provides informa-

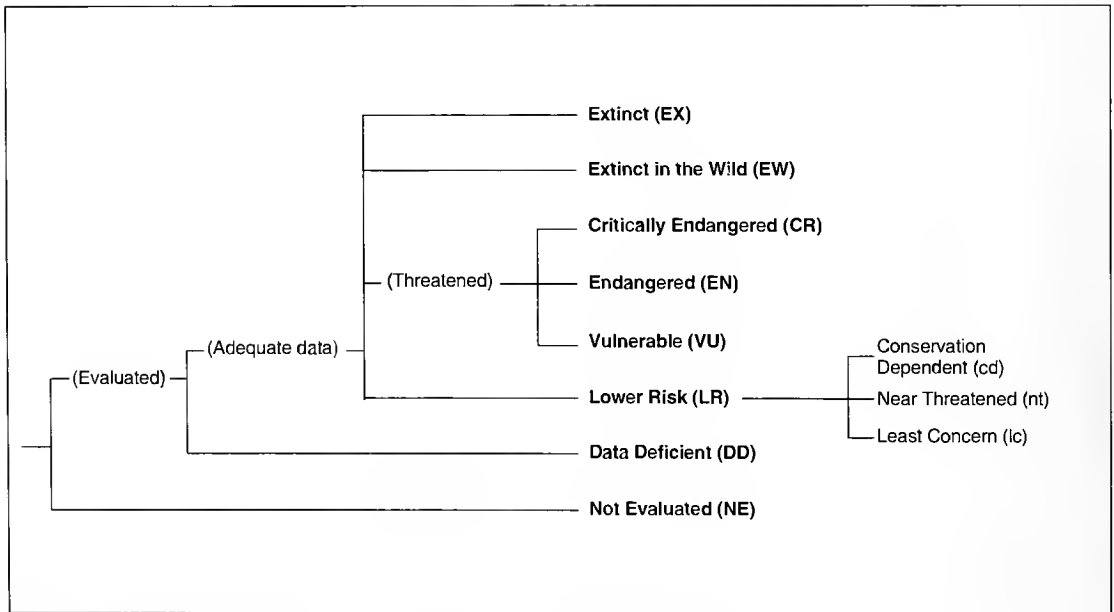


Figure 1. Structure of the Categories.

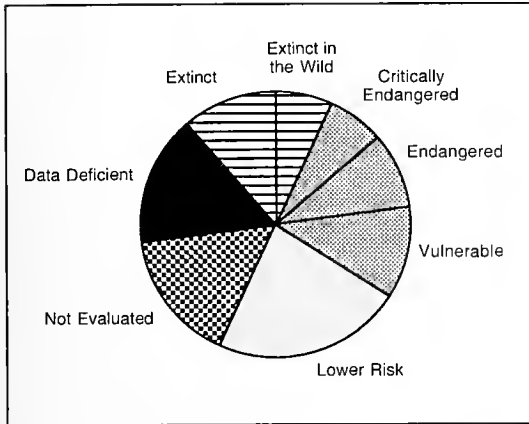


Figure 2. When all species of a higher taxonomic group are placed into one of the eight categories, it provides a useful indication of the current status of, and level of knowledge about that group.

tion on changing patterns and levels of threat. Figure 2 demonstrates how the current status of an entire taxonomic group can be summarized by the IUCN categories.

The Criteria and Subcriteria for the Categories of Threat

The three categories of threat, Critically Endangered, Endangered, and Vulnerable, are all determined by quantitative criteria. For each of the categories of threat there are five criteria (A-E), which are based on variables closely associated with extinction risk. The criteria A-D also have subcriteria that are used to justify the listing of a species under a given category and criteria. The five criteria are:

- A. Declining Population (past or projected)
- B. Small Distribution and Decline or Fluctuation
- C. Small Population Size and Decline
- D. Very Small Population or Very Restricted Distribution
- E. Quantitative Analysis (e.g., Population Viability Analysis)

The main purpose of the subcriteria is to provide further information to support the listing of a species in a particular category. However, the subcriteria may also provide insight into threats such as direct exploitation, habitat loss, pollution, and hybridization, or they may describe declines recorded by direct observation or changes in an index of abundance.

Although the criteria are expected to be applicable across broad taxonomic groups to encompass species

with very different life histories, it is not intended that all the criteria be applicable to a given species. Species qualify as Critically Endangered, Endangered, or Vulnerable by meeting any one of the five criteria (A-E) for that category of threat.

Requiring that the criteria and subcriteria are stated for each listing of a taxon in one of the categories of threat provides a more objective, informative, and accountable process. The identification of quantitative criteria when classifying a taxon in one of the categories of threat ensures that taxa are being assessed by a common standard, thus improving consistency of the application of the system among different users. The information given by the categories and criteria provides a general indication of the extinction process of a taxon and may be helpful in setting conservation priorities. The categories, criteria, and subcriteria are made public to explain why each taxon has been placed on the list, and the assessment can then be refined as further information emerges.

Although the criteria for each of the categories of threat are based on quantitative thresholds, inference and projection are permitted so that taxa for which there is very little information can also be assessed. Therefore, the person conducting an assessment is expected to use the best available information, in combination with inference and projection to test a taxon against the criteria. If there is any reasonable concern that a species is threatened with extinction, it should qualify for the criteria of one of the categories of threat.

How to Decipher the Criteria and Subcriteria

Following the scientific and the common name of each threatened taxon in the 1996 IUCN Red List is a category of threat, and if applicable, criteria and subcriteria. The three categories of threat, Critically Endangered, Endangered, and Vulnerable, represent decreasing levels of extinction risk. The quantitative criteria (A-E) help to identify taxa that are appropriate for one of the categories of threat. Finally the subcriteria provide reasons for listing taxa. Figure 3 illustrates how the categories, criteria, and subcriteria are used in the Red List.

The Giant Sea Bass is listed as CR A1bd. This means that the category of threat is Critically Endangered, which is defined as, "a taxon that is facing a very high risk of extinction in the wild in the immediate future." This species qualifies as CR under criterion A. The 1 is part of the subcriteria and indicates that there has been a decline of at least 80% in the number of mature individuals over the past 10 years or three generations (whichever is longer for this species). The rest of the subcriteria

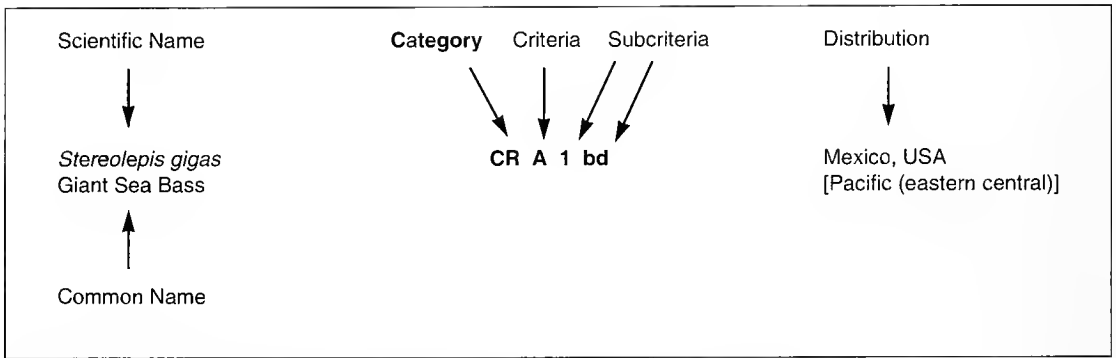


Figure 3. An example of the use of the categories, criteria, and subcriteria in the 1996 IUCN Red List.

listed are b, d, which provide information about how the decline was assessed. In this particular case the subcriteria state that the Giant Sea Bass was listed under the A criterion because of the rapid decline was documented by (b) an index of abundance and (d) exploitation. Using the summary of the IUCN categories and criteria, it is possible to decode the criteria and subcriteria for every taxon listed.

In Table 1 the categories of threat are listed along the top of the page, and the criteria and subcriteria are given in the appropriate columns. First identify the category of threat; then locate which of the five criteria are applicable and identify the subcriterion.

For example, by using Table 1, it is possible to decipher what Endangered: C2a means. First identify the Endangered category in the center at the top of the page. Then follow the Endangered column down to the C criterion which states that the taxa has a small population size and is declining. Identify the quantitative threshold for the Endangered column under the C criterion which is less than 2,500 mature individuals. Then locate the 2a subcriterion which states that the population is experiencing a continual decline and is fragmented with each subpopulation averaging less than or equal to 250 mature individuals.

It should be mentioned that the terms used in the criteria and subcriteria have very specific meanings in this context, or require particular methods to be used for assessing them. These definitions are included in Annex 2 at the end of this publication.

Lessons Learned in Applying the New IUCN Categories and Criteria

While the IUCN categories and criteria had been tested against many different types of species in its development phase, the compilation of the 1996 IUCN Red List

is the first time that the new system has been applied to such a large number of species with very different life histories. Overall, the system was very well received and it appears to have successfully flagged a wide variety of threatened species. In the process of applying the categories and criteria for the 1996 IUCN Red List, hundreds of specialists had the opportunity to assess all aspects of the new system. This has led to a number of constructive suggestions as to how the system could be fine-tuned. The following discussion outlines many of these recommendations, which focus on slight definition clarifications, and also on aspects of the A criterion that may require further examination.

Definitions

1. Definition of Mature Individuals

In the current system, mature individuals are defined as individuals capable of reproduction. This definition has been used to provide an indication of the number of individuals that will be able to replace themselves in the next generation. However, in some long-lived species, individual animals are capable of reproduction, but their young are not attaining maturity. Even though such individuals are breeding, for conservation purposes they should not be considered as mature individuals. This definition should be reworded to emphasize that only individuals capable of producing offspring that reach the age of maturity should be considered as mature individuals.

2. Definition of Generation Time

Generation time is currently defined as the average age of mature individuals in a population. In the new IUCN categories and criteria, generation time determines the window of time during which a species' probability of extinction, or its rate of decline, is being examined. For example, the A criterion is used to list species according

Table 1
Summary of New IUCN Categories and Criteria

Use any of the A-E criteria	Critically Endangered	Endangered	Vulnerable
A. Declining Population population decline rate at least	80% in 10 years or 3 generations	50% in 10 years or 3 generations	20% in 10 years or 3 generations
using either			
1. population reduction observed, estimated, inferred, or suspected in the past or			
2. population decline projected or suspected in the future based on:			
a. direct observation			
b. an index of abundance appropriate for the taxon			
c. a decline in area of occupancy, extent of occurrence and/or quality of habitat			
d. actual or potential levels of exploitation			
e. the effects of introduced taxa, hybridization, pathogens, pollutants, competitors, or parasites			
B. Small Distribution and Decline or Fluctuation Either extent of occurrence or area of occupancy	< 100 km ² < 10 km ²	< 5,000 km ² < 500 km ²	< 20,000 km ² < 2,000 km ²
and 2 of the following 3:			
1. either severely fragmented: (isolated subpopulations with a reduced probability of recolonization, if once extinct) or known to exist at a number of locations	= 1	≤ 5	≤ 10
2. continuing decline in any of the following:	any rate	any rate	any rate
a. extent of occurrence			
b. area of occupancy			
c. area, extent and/or quality of habitat			
d. number of locations or subpopulations			
e. number of mature individuals			
3. fluctuating in any of the following:	> 1 order/mag.	> 1 order/mag.	> 1 order/mag.
a. extent of occurrence			
b. area of occupancy			
c. number of locations or subpopulations			
d. number of mature individuals			
C. Small Population Size and Decline Number of mature individuals and 1 of the following 2:	< 250	< 2,500	< 10,000
1. rapid decline rate	25% in 3 years or 1 generation	20% in 5 years or 2 generations	10% in 10 years or 3 generations
2. continuing decline and either	any rate	any rate	any rate
a. fragmented or	all sub-pops ≤ 50	all sub-pops ≤ 250	all sub-pops ≤ 1,000
b. all individuals in a single subpopulation			
D. Very Small or Restricted Either 1. number of mature individuals or 2. population is susceptible	< 50 (not applicable)	< 250 (not applicable)	< 1,000 area of occupancy <100 km ² or number of locations < 5
E. Quantitative Analysis Indicating the probability of extinction in the wild to be at least	50% in 10 years or 3 generations	20% in 20 years or 5 generations	10% in 100 years

to specific rates of decline in the past or future for ten years or three generations, whichever is longer. If a species' generation time is 12 years, then rates of decline are examined over the past and future 36 years.

The current definition of generation time does not work well for species that are experiencing heavy exploitation or direct harvesting. This is because when populations are heavily exploited, the larger older individuals are usually the first to be taken, thus reducing the average age of the population, and decreasing the generation time. With a shorter generation time, rates of decline and probabilities of extinction will be examined over a shorter time-frame, making it less likely for the species to qualify under the appropriate category of threat. To avoid this anomaly, the definition should be reworded so that generation time is defined by the average age of parents in the population, prior to exploitation.

3. The Application and Definition of Conservation Dependent

Conservation Dependent is now a subcategory of the Lower Risk category. The subcategory is currently used to highlight species that would qualify for the Vulnerable category if it were not for species-specific or habitat-specific conservation efforts. If this definition were broadened so that Conservation Dependent could be applied to the categories of threat, then the Red List would provide valuable insight into the number of species, at all levels of threat, that are receiving beneficial conservation attention. Conservation Dependent would then be defined as an optional subcriterion used for species that would fall into a higher category of threat or be driven to the point of extinction, were it not for conservation efforts.

Challenges with the A criterion

1. Maximum Generation Time

Generation time is defined by the average age of mature individuals in the population. The A criterion states that a taxon's rate of decline should be examined in the past or future 10 years or three generations. Thus, generation time is often used to determine the window of time during which the decline of a taxon will be measured to determine if it qualifies for one of the categories of threat. Generally, the longer the time period, the more likely it is that a taxon will qualify for one of the categories of threat.

Using three generations to monitor a species' population status standardizes measurement of rates of decline across widely different taxa. A minimum of 10 years has been set because there is little that can be done in terms of conservation planning if a taxon is identified as rapidly

declining at the last minute. Currently, there is no upper limit on the time period during which declines are examined. For example, if the generation time of a species is 50 years, then the A criterion requires that the rates of decline be monitored over the past and future 150 years. Just as it is impractical for conservation purposes to use very short generation times, it is in most cases also impractical to attempt to determine what happened too far back in the past, or what may happen in the distant future. A cap of about 75 years would ensure that measured and predicted declines were being assessed over time-frames where circumstances can be judged with more certainty.

2. Identification of Depleted Taxa

Under the A criterion, a species will not be listed under one of the categories of threat unless there are recorded declines of at least 20% over the past or future 10 years or 3 generations, whichever is longer. Therefore, if a population continues to decline at 15% over that time frame, it will not be listed as threatened.

Species that have experienced a major decline such as 90% over the appropriate time frame will be listed as Critically Endangered. However, if the species then declines less than 20% over 10 years or three generations it will no longer be considered threatened. For precautionary reasons the taxon would remain on the list for five years and then would be removed.

In these two situations it appears that the system is not effectively identifying species that have undergone severe depletion and would intuitively be threatened with extinction. However, the A criterion is one of five criteria that have been developed to assess the conservation status of a species. The B, C, D, and E criteria all highlight species that are threatened due to their restricted distribution or low numbers. Thus, if a taxon is not identified by the A criterion, it should be picked up by one or more of the other criteria once the population or distribution becomes small enough. The problem is that some populations undergo extreme depletion, for example a reduction to 5% of the original population, but are still too widely distributed or have too many mature individuals to qualify for any of the other criteria.

Large populations that are reduced to a small percentage of their former population may persist for many generations. However, it is possible that these populations are much more prone to proximate causes of extinction. If this is the case, then there is no specific criterion that effectively flags the high probability of extinction that these species face.

Unless it can be proven that species that have had major past declines do not have a significantly higher probability of extinction, then one option to address this apparent shortfall in the new system would be to use the

A2 criterion. This criterion flags species that may experience significant declines in the next 10 years or three generations, whichever is longer. However, it would be more effective for conservation purposes to develop criteria that specifically highlight species that have undergone extreme depletion, but do not qualify for the other criterion.

3. Shifting Time Scale for the A criterion

The A criterion assesses the rates of population decline over time. The criterion is divided into two: A1 assesses the rate of decline in the past 10 years or 3 generations, and A2 assesses the predicted rates of decline in the next 10 years or three generations. This rigid division of time-frames may lead to a misrepresentation of a species' conservation status if the decline is occurring at the time of the assessment. For example, if a species has decreased by 10% in the past five years and is projected to decline by another 10% in the next five years, it would not be listed under the current system. Excluding declines that are occurring while the assessment is being made does not make sense when the objective of the criteria is to identify a 20% decline over 10 years or three generations. However, the original intention was that there should be an opportunity to use a shifting time window, which the current wording of the criteria does not make clear. The A1 and A2 subcriteria could possibly be merged, leaving a single A criterion. The past and future time-frames of 10 years or three generations could be maintained, but should be flexible enough to measure declines over any period, providing that the furthest point in time from the present (either past or future) is no greater than 10 years or three generations (whichever is longer).

4. Rates of Decline and Probability of Extinction

The A criterion is based on the assumption that a species is more prone to extinction when numbers of mature individuals show persistent declines. With a 20% decrease in mature individuals the species qualifies for Vulnerable, with a 50% decline, Endangered, and with an 80% decline, Critically Endangered. However, species with high growth rates, high reproductive potential, and early maturity can experience a significant decrease in mature individuals, but may be less prone to extinction than species with low growth and reproductive rates. The categories of threat do not reflect probability of extinction with precision across taxa, and may be particularly imprecise when only the A criterion is used. This issue requires further investigation.

5. Managed Populations and Rates of Decline

When exploiting wild populations, the management strategy is often to reduce the number of mature individuals in order to increase productivity, thus increasing the sustainable harvest levels. For some fish populations, managing for sustainable harvest entails a reduction of more than 50% of mature individuals. Despite the fact that these reductions are intentional, these species are identified as potentially threatened with extinction under the red listing system.

It is very difficult to determine levels of exploitation that are sustainable, and even if accurate harvest levels are determined, history has repeatedly shown that such management schemes are rarely followed. Also, there is still uncertainty as to whether or not a population of highly reproductive fishes, managed at reduced numbers of mature individuals over long periods of time, are significantly more prone to extinction. There could be long-term negative genetic implications resulting from this type of management. Species that are exploited in such a manner might persist for several generations, slowly becoming more susceptible to extinction.

Currently, if the number of mature individuals in a population decreases by 20% over 10 years or three generations in managed populations, then the species is listed as threatened. Once the population is no longer decreasing by 20% over 10 years of three generations (e.g., if the management is now achieving constant population size at high productivity levels), then it is retained on the list for five years and then delisted. Therefore, if the number of mature individuals is reduced by 20% or more as part of a sustainable management scheme, the taxon will initially be listed in a category of threat, but if the management is successful the species will soon be removed from the threatened list.

It is recognized that in the adoption of a completely new system that there will be growing pains and that slight revisions are inevitable. However, we are still learning, and many issues require further examination, which makes it impractical to revise the new system immediately. Only once we are certain that the majority of the glitches have been identified and addressed will the IUCN categories and criteria undergo revision.

Analysis

By Jonathan Baillie

The Status of Globally Threatened Species

Ideally, the IUCN Red List would contain detailed information on the conservation status of every species in the world and identify the region or ecosystem in which each species lives. This information would make it easier to estimate the magnitude of the loss of species diversity and would greatly aid in the identification of areas enduring the greatest biological impoverishment. Conservationists would then have better access to sound information from which to set priorities, and governments and decision makers would be more aware of the implications of their policies and actions on the future of the world's biological resources.

Currently, the conservation status is only known for a small proportion of all animal species, and there is a strong bias toward terrestrial vertebrates and species found in biologically well-studied regions of the world. However, what we do know indicates clearly that there is strong cause for concern.

This edition of the Red List, which includes 5,205 species threatened with extinction, is the most comprehensive list of globally threatened species ever compiled. All known species of birds and mammals have been evaluated, with the result that 25% of mammal species and 11% of bird species are classified as being threatened with extinction. Not all reptile, amphibian, and fish species have been assessed, but of those that have been evaluated, rough estimates of the percent that are threatened are: 20% of reptiles, 25% of amphibians, and 34% of fishes (mostly freshwater).

Relatively few invertebrates (mainly insects, spiders, crustaceans and molluscs) have been assessed making it difficult to estimate the percentage that are threatened. However, among the invertebrate groups that have received the most attention, there are large numbers of threatened species: more than 500 insects, 400 inland water crustaceans, and 900 molluscs.

The information in this book is meant to be used in a variety of ways. First, it is hoped that the publication of the extensive lists of threatened species and subspecies will draw attention to the serious situation now faced by animal species worldwide. Second, the detailed information included on which species and higher taxa are most at risk, as well as information on the general nature of the threats, and the geographical distribution of these species, will enable decision makers to address the issue

by supporting appropriate conservation actions. Finally, the data presented will provide a rich source of basic information on which conservation biologists and other scientists can base analyses aimed to understand and thus better address the current trend of biological diversity depletion.

The following general analysis is based on the information presented in the *1996 IUCN Red List of Threatened Animals*. It is hoped that specialists will use the tables and data in this book to explore the issues further.

Biases in the 1996 IUCN Red List

When reading this analysis section of the 1996 IUCN Red List, it is important to recognize some of the biases that exist in the data in order to understand why some higher-taxon groups and regions appear to have more threatened species than others.

The current information on the status of threatened species is heavily biased towards terrestrial vertebrates. Figure 1 indicates the total number of species that have been categorized as threatened for each major vertebrate group (mammals, birds, reptiles, amphibians, and fishes), as well as for a number of invertebrate groups (molluscs, insects, crustaceans, and other invertebrates).

From the number of vertebrates and invertebrates listed as threatened, it may appear that the two groups have received a similar degree of attention. However, more than 95% of all known animals are invertebrates (Hammond 1995). Hence, this group is proportionally under-represented.

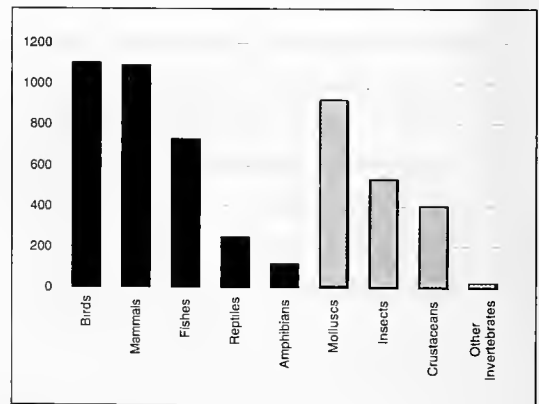


Figure 1. The number of threatened vertebrate versus invertebrate species that have been listed in the 1996 IUCN Red List.

The need for a stronger focus on invertebrate conservation has long been recognized, but information on the status and distribution of the majority of invertebrates simply does not exist (Groombridge 1993). Although the number of invertebrates listed in the last two IUCN Red Lists has sharply increased, any attempt to ensure that they are adequately represented would require large amounts of time and resources. However, it is unlikely that sufficient resources will be made available for invertebrate conservation until the values of the general public and national governments change to recognize the need to protect all forms of life.

The attention of naturalists and conservationists has also long been focused on terrestrial rather than marine environments. Although about two-thirds of the earth's surface is covered by seas, our knowledge of the basic ecology, distribution, and status of most marine species is extremely limited. As a result, marine species are poorly represented in this list. Even among vertebrates, information on marine species is very poor compared to their terrestrial counterparts. Of the terrestrial vertebrates, roughly 48% have been assessed, while only 1.7% of the marine vertebrates (primarily three classes of fishes) have been evaluated.

Some regions have been more comprehensively assessed than others. Countries such as the United States, Australia, and South Africa, which have been subject to detailed review, may have proportionally more species listed than countries in less well studied regions. Also, specific countries or regions that are the focus of an SSC Specialist Group, or which have produced their own regional or national Red Lists, may also have a relatively greater representation in the *1996 IUCN Red List of Threatened Animals*. Despite these biases, the information in the Red List can be used to draw out some general conclusions.

Which Vertebrate Groups are the Most Threatened?

Birds were the first vertebrate class to be comprehensively assessed. This assessment was based on an earlier version of the new system, but one almost identical to the new IUCN categories and criteria (Collar *et al.* 1994). The results show that 168 (2%) of all bird species are Critically Endangered, 235 (2%) are Endangered, and 704 (7%) are Vulnerable (Figure 2). In total, 11% of the world's avifauna is threatened and another 9% is near-threatened. The fact that 11% of all bird species are threatened was of great concern (Collar *et al.* 1994), and it was feared that other terrestrial life-forms, not yet comprehensively evaluated, might be experiencing similar degrees of threat. The IUCN categories and criteria have

now been applied to all mammals, and the results indicate that the level of threat to biodiversity could be even worse than anticipated. For mammals, 169 species (4%) are Critically Endangered, 315 (7%) are Endangered, and 612 (14%) are Vulnerable (Figure 2). This means that 25% of the total number of mammal species are threatened with extinction. If the Lower Risk subcategories, conservation dependent and near threatened, are taken into consideration, 41% of all mammals are either threatened or close to Vulnerable.

Given the fact that there are more than twice as many bird species as mammal species, it is interesting that the total number of threatened species in each threat category is very similar. Four mammal and three bird species are Extinct in the Wild; 169 mammal and 168 bird species are Critically Endangered. In total there are 1,099 threatened and Extinct in the Wild mammal species and 1,111 threatened and Extinct in the Wild bird species.

Perhaps mammals are an anomaly, and the status of birds is a more accurate indicator of the status of other life-forms. Unfortunately, current information suggests that mammals are better indicators of the level of threat of other taxonomic groups. Since reptiles, amphibians and fishes have not been comprehensively assessed, it is impossible to make definitive statements about their overall conservation status. However, approximately 20% of the reptile, 25% of the amphibian, and 34% of the fish species that have been assessed are threatened with extinction. For summary tables on the status of each taxonomic group refer to Data Table 2, page 50.

It appears that biodiversity is much more threatened, at least at the species level, than was previously realized. It has been widely assumed that approximately 10% of the world's species are globally threatened, following the "bird model". But if birds, with their high levels of mobility, are on the average much less threatened than other groups, the use of this model as a reference point should be reconsidered. If mammals are better indicators of the status of other taxonomic groups, then 25% of the world's species could be globally threatened, a sobering statistic.

Which Mammal Orders are the Most Threatened?

Of the 26 orders of mammals, 24 contain threatened species. The six largest orders all have more than 50 threatened species: Rodentia 330, Chiroptera (bats) 231, Insectivora 152, Carnivora (cats, bears, otters etc.) 65, Primates 96, and Artiodactyla (even-toed ungulates) 70. Carnivora, while the fourth largest order, has fewer threatened species in total than Primates and Artiodactyla. This is surprising, because intuitively, one

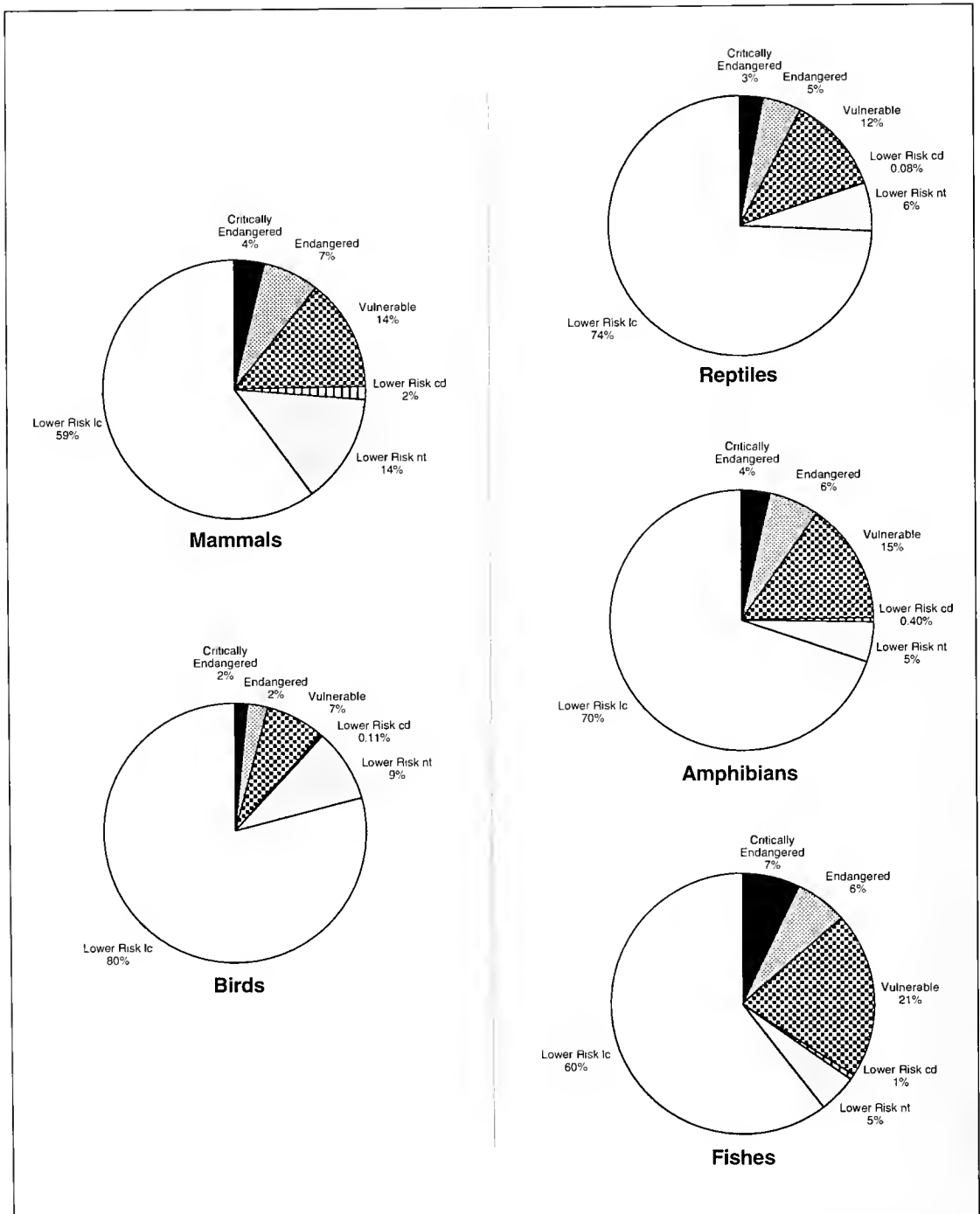


Figure 2. Which vertebrates are the most threatened? The mammal and bird pie charts represent all the known species for which there is enough information to make a sound conservation assessment. The reptile, amphibian, and fish charts represent all assessed species for which there is adequate information to assign a conservation status. The figures used for the number of assessed species are based on the number of species estimated to be assessed in the 1994 IUCN Red List. These estimates for the number of assessed species are 20% of reptiles, 12% of amphibians, and <10% of fishes (Groombridge 1993).

would expect a group of species so high in the trophic scale to have a very large number of threatened species. For the total numbers of threatened mammals in each order see Data Table 1, page 44.

If these same six orders are examined in terms of the proportion of species that are threatened in each, the sequence changes significantly (Data Deficient species have not been included): Primates 45.5%, Insectivora 36%, Artiodactyla 32.7%, Chiroptera 26.2%, Carnivora 25.8%, and Rodentia 16.6%. While these numbers are very alarming, there are many smaller orders that have a much higher proportion of threatened species (Figure 3).

Figure 3 depicts the proportion of each order that is threatened. This approach highlights some of the smaller orders with a high proportion of threatened species. This is important because each order represents a morphologically and genetically unique group. One hundred percent of Proboscidea (two species of elephant), Notoryctemorphia (two species of mole-like marsupial), Sirenia (four extant species of sea cow), and Microbiotheria (one species of opossum-like species) are threatened. In the first two of these orders, all the species are Endangered; and in the last two, all are Vulnerable.

Other small and highly threatened orders are: Perissodactyla (horses, tapirs and rhinos); Macroscelidea (elephant shrews); Monotrema (egg-laying mammals); Hyracoidea (hyraxes); and Dermoptera (flying lemurs). The 18 species of Perissodactyla have the highest percentage of Critically Endangered species (four species; 22%). The situation is even worse when one considers that, in addition, one species is Extinct in the Wild, four are Endangered, three are Vulnerable, one is conservation dependent, and one is near-threatened. In the order of Macroscelidea, three species are Endangered, and four are Vulnerable. There are three species of egg-laying mammals in the order Monotremata. Of these, one is known to be Endangered. Three of the six species of hyraxes and one of the two species of flying lemurs are listed as Vulnerable.

Which Bird Orders are the Most Threatened?

Of the 27 orders of birds, 23 contain threatened species. The following five orders have more than 50 threatened species each: Passeriformes (song birds) 542; Psittaciformes (parrots) 89; Galliformes (pheasants, partridges, etc) 71; Columbiformes (pigeons and doves) 55; and Gruiformes (rails and cranes) 54. While these are all in the top ten largest orders in terms of numbers of species, the correlation between the size of the group and the number of threatened species does not match as well as it does with the larger mammal orders. For example, there

are more species within the Apodiformes (swifts and hummingbirds) than four of the five orders listed above, yet fewer species (35) are listed as threatened. For the total number of threatened birds in each order refer to Data Table 1, page 44.

The five orders of birds that have the highest percentage of threatened species are: Gruiformes (25.6%); Galliformes (25.2%); Psittaciformes (24.7%); Columbiformes (16.7%); and Coraciiformes (kingfishers, bee-eaters, etc.) (11.5%). Among the Passeriformes, only 9.5% of the species are threatened.

Other medium-sized and small orders that should be highlighted include: Procellariiformes (albatrosses and petrels), Podicipediformes (grebes), Apterygiformes (kiwis), and Casuariiformes (cassowaries). Twenty-nine percent of Procellariiformes and 18% of Podicipediformes are threatened. These percentages are not very high in relation to some mammal orders. However, both orders have very high percentages of Critically Endangered species, 10% and 9% respectively.

There are only three species of kiwis, of which all are considered Vulnerable. Of the four species of cassowaries, two are Vulnerable and one is considered Lower Risk near-threatened.

Which Reptiles, Amphibians, Fishes, and Invertebrates are the Most Threatened?

In total, 253 species of reptiles have been assessed as threatened with extinction. Of the six orders of reptiles, three have been completely assessed. These are Crocodylia (crocodiles and alligators), Rhynchocephalia (tuatara), and Testudines (tortoises, turtles, and terrapins). The remaining three orders (snakes, lizards and amphisbaenians) make up the majority of reptiles and are still awaiting comprehensive assessment. However, much insight can be gained by looking at the status of the three groups that have been comprehensively evaluated.

There are two species of tuatara, both of which are found on small islands around New Zealand. These are the last remaining representatives of an order, and one of the species is listed as Vulnerable.

Of the 23 species of crocodylians, ten (43%) are threatened (Figure 5). While this high percentage is alarming, and some species continue to decrease in numbers, the crocodylians are one of the few orders that have experienced an overall improvement in status over the past 20 years due to conservation measures (Messel *et al.* 1992).

Of the known species of tortoises, turtles and terrapins, (not including Data Deficient species) 96 (38%) are threatened, 47 (19%) are near-threatened, and one is con-

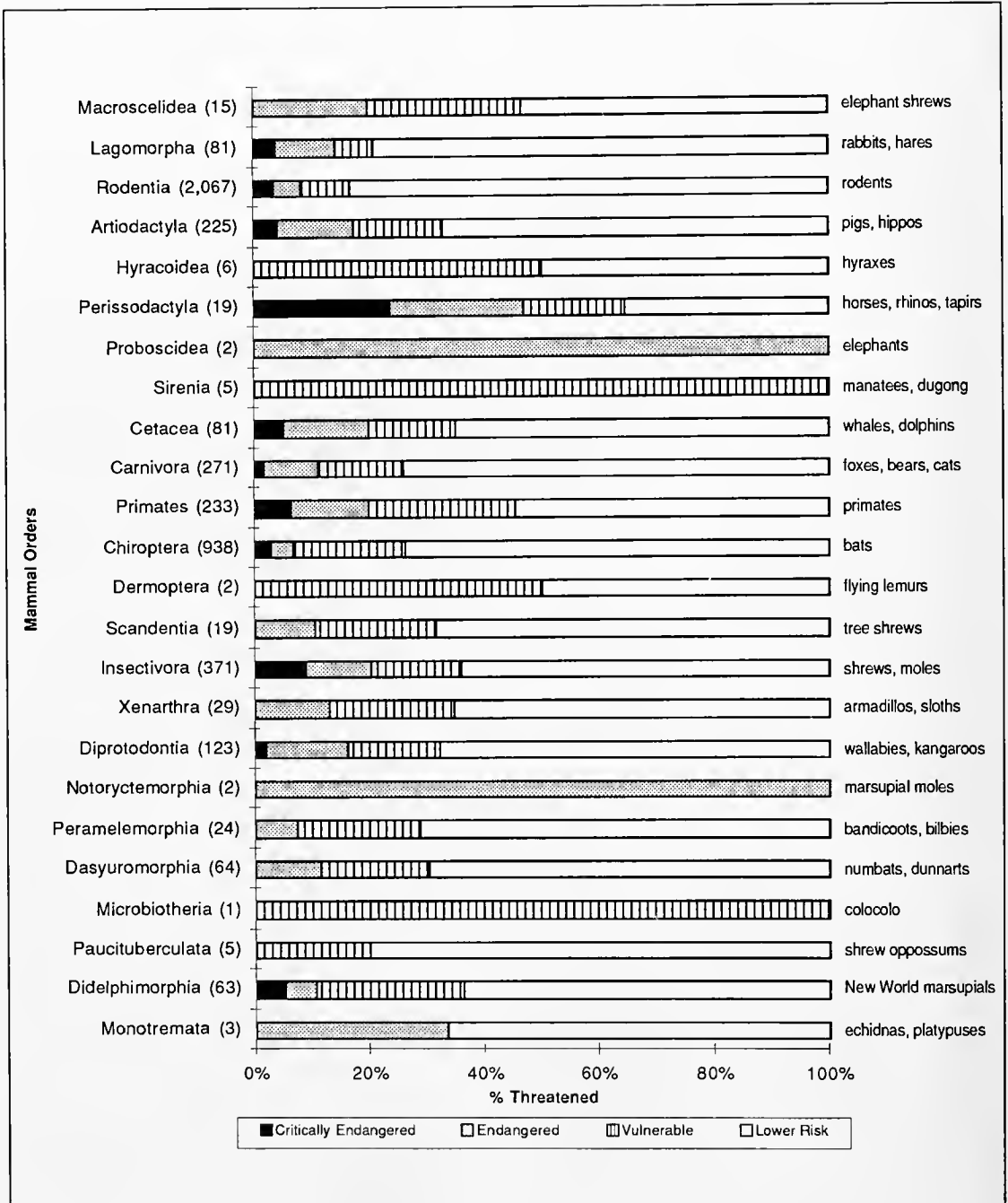


Figure 3. The proportion of each mammal order that is threatened. Orders where no species are threatened have not been listed. These are Pholidota (pangolins) and Tubulidentata (the armadillo). While the Order Pholidota is not listed, four of the seven species are listed as Lower Risk near threatened. Species that are Data Deficient are not included. The total number of species in each order is listed in parentheses. Examples of each order are provided on the right hand side.

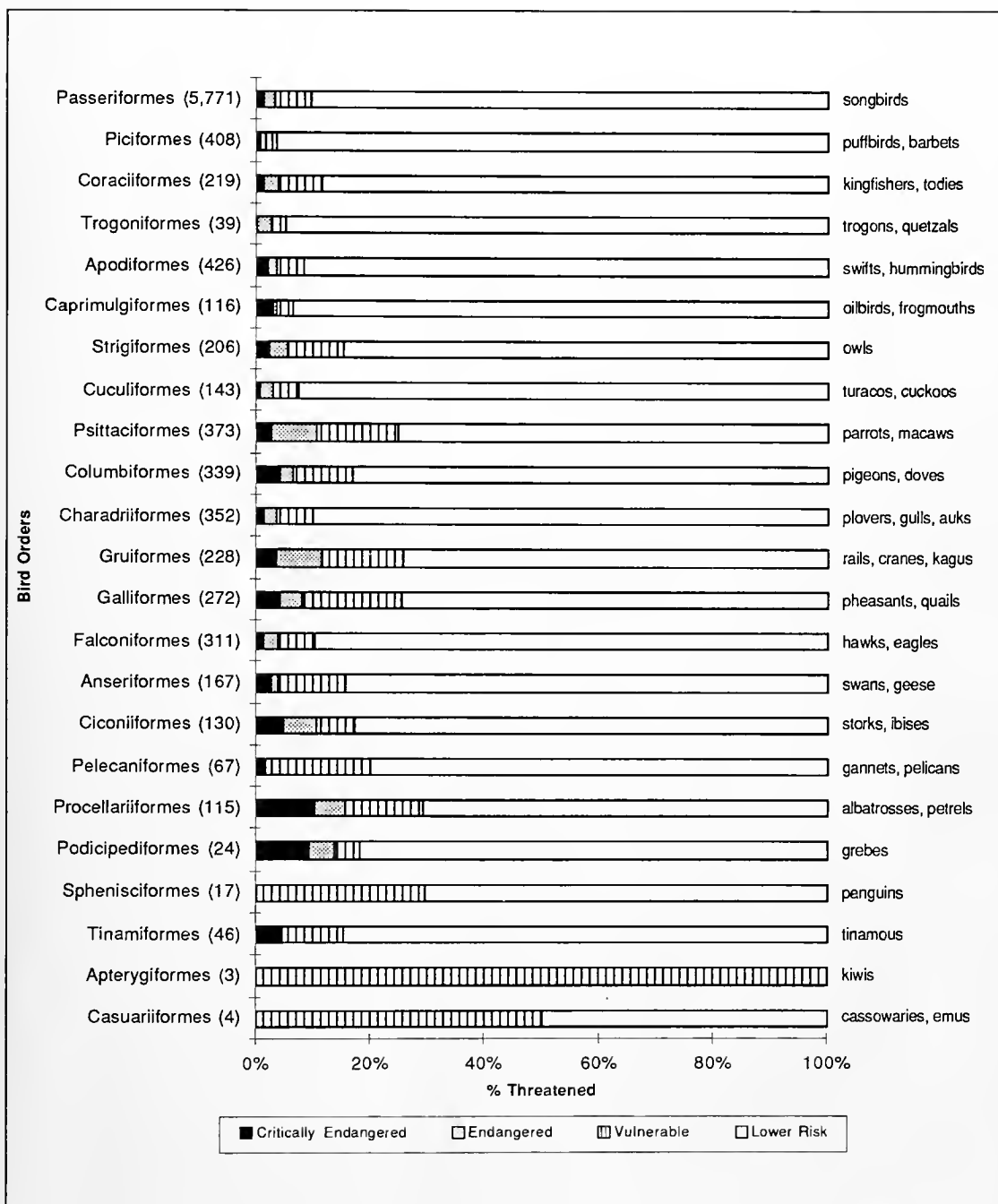


Figure 4. The proportion of each bird order that is threatened. Bird orders with no threatened species have not been listed. These are Struthioniformes (ostriches), Rheiformes (rheas), Gaviiformes (loons), and Coliiformes (mousebirds). The total number of species in each order is listed in parentheses. Examples of each order are provided on the right hand side.

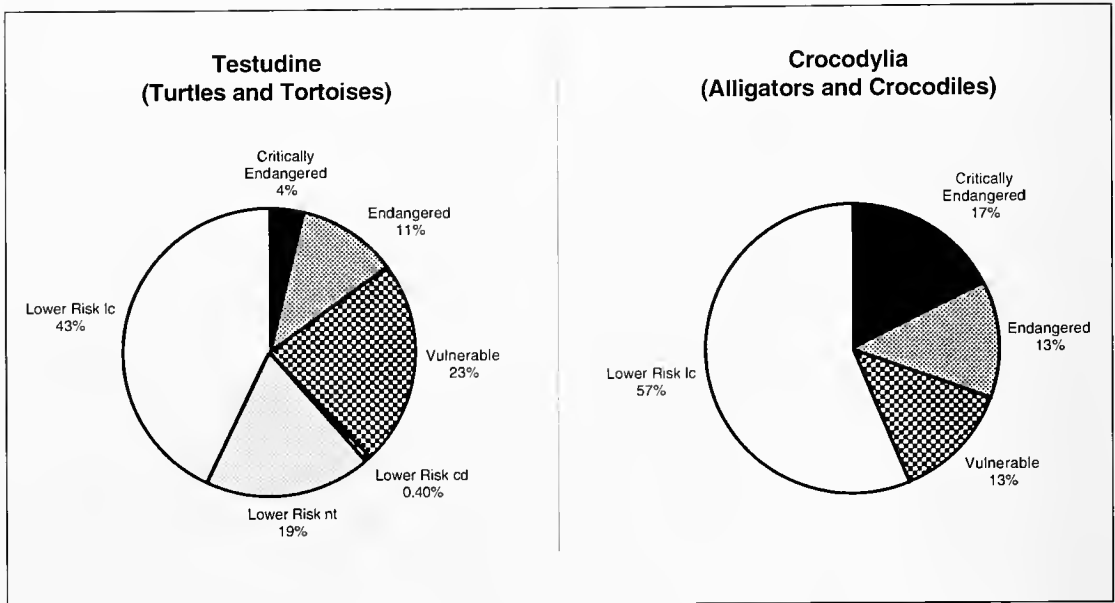


Figure 5. The status of two reptilian orders that have been completely assessed, Testudine (turtles and tortoises) and Crocodylia (alligators and crocodiles). Data Deficient species have not been included. The subcategories Lower Risk conservation dependent and Lower Risk near threatened are not included on the Crocodylia chart, since none of these species fall into these subcategories.

servation dependent (Figure 5). There is, therefore, cause for concern for 57% of these species. The majority of this order is comprised of freshwater turtles, and the high proportion of threatened species within this group corresponds with other freshwater-dependent species such as inland water crustaceans, freshwater fishes, and freshwater molluscs. However, the seven turtle species which have a completely marine existence are all threatened.

While an examination of the three orders of reptiles that have been completely assessed only provides a partial picture of the current status of all reptiles, the high proportion of threatened species in each of these orders (50%, 43% and 38%) indicates that the overall estimate of 20% of reptile species as threatened is probably low for the entire class.

Species from two of the three amphibian orders have been evaluated. Eighty-eight species of Anura (frogs and toads) and 36 species of the order Caudata (salamanders and newts) have been listed as threatened. These numbers are certainly under-estimates as relatively few have been evaluated. No species in the order Apoda (caecilians) has yet been assessed. There has been much debate as to whether or not amphibians are experiencing a high rate of global decline (Wyman 1990; Wake 1991; Pounds and Crump 1994). Given that the percentage of amphibians that are estimated to be threatened (25%) is similar to that of mammals, reptiles, and fishes, immedi-

ate evidence suggests that they are experiencing a similar level of threat to most other orders. Because only a very small proportion of amphibians have been assessed, it is certainly possible that the percentage of threatened species has been significantly underestimated.

Fishes are the largest group of vertebrates in terms of numbers of species, totaling approximately 24,000 described species. Threatened species have been identified in four of the six classes of fishes, including 32 of the 58 orders. The assessments have focused primarily on freshwater species. However, over 100 marine fishes have been added to the 1996 IUCN Red List including sharks, tunas, coral reef fishes, and seahorses. The status of the remaining 14,000 or so marine species is unknown, but given the recent additions to the list, it is clear that they are not as secure as was once believed.

Much more is known about the status of fish species occurring in freshwater environments. Orders for which all species have been assessed include Acipenseriformes (sturgeons and paddlefishes) and Coelacanthiformes (coelacanth). All sturgeon and paddlefish species are threatened or near threatened: 6 are Critically Endangered, 11 are Endangered, 8 Vulnerable, and 2 are near threatened. This is a very small order in which the majority of species are heavily exploited (DeSalle and Birstein 1996). Thus, this high level of threat is unlikely to be indicative of its entire class. The coelacanth, listed as

Vulnerable, is the only living species in its order and class. Orders with particularly high numbers of threatened species are Cypriniformes (minnows, carps, loaches, suckers, etc.) with 191 species listed, and Perciformes (Perch, Cichlids, etc.) with 227. These are primarily threatened due to the introduction of exotics, habitat degradation, and construction of barriers and other obstacles to movement. Many regions still remain to be assessed for the conservation status of their freshwater fish species, but wherever surveys are conducted more threatened fishes are found (Groombridge 1993).

Most animal species are invertebrates, and the overwhelming majority of threatened species is likely to be invertebrates. Very few of these invertebrate populations have been assessed relative to their total numbers, thus it is difficult to infer much about their conservation status. The groups that have received most attention are crustaceans, insects, and molluscs. Within the class Insecta (insects), the orders with over 100 threatened species are Hymenoptera (social insects), Lepidoptera (butterflies and moths), and Odonata (damselflies and dragonflies). The fact that these orders have more known threatened species than the others is probably a reflection of their relative popularity. It is clear that those insect groups that have received minimal attention have many threatened species and further examination will most likely yield similar results.

There are more threatened molluscs (920 total) included in this Red List than any other invertebrate group, but the number that have been assessed only represents a small proportion of the estimated 70,000 documented species (Hammond 1995). The outstanding gap in our knowledge of threatened molluscan taxa is the tropical forest environments, where many small range endemics are most likely declining due to habitat destruction. Two of the classes of molluscs are included in the Red List: Gastropoda and Bivalvia. Of gastropods, a high percent of threatened species are island endemics endangered by habitat destruction and/or the introduction of exotics. These species make up roughly 38% of all threatened molluscs. In the Pacific Islands, a major problem is the continued spread of the predatory snail *Euglandina rosea* and the use of alien flatworms as biological control agents. About 18% of the threatened molluscs are spring-snails from the United States, Australia, and Europe. These snails tend to have very restricted ranges, and are dependent on good water quality and the persistence of springs that are often subject to human utilization (Seddon in prep).

Until the 1996 IUCN Red List only a few marine molluscs were listed as threatened (giant clams), and most were commercially harvested. As a result of incidental harvesting, and habitat decline due to invasive alien plant species, a number of narrow range endemic marine

species have now been added to the list. However, the majority of the threatened bivalves are freshwater species, that are threatened due to the introduction of exotic species, construction of man-made barriers, over-harvesting, pollution, and habitat destruction. The fact that such a high percentage of threatened mollusc species occur on islands and in restricted freshwater environments is consistent with data from other taxonomic groups, which suggest that species occurring in these systems are particularly likely to be threatened.

The number of threatened inland freshwater crustaceans strongly supports the notion that species in freshwater habitats are particularly at risk. The two orders with the greatest number of threatened species are the Decapoda (crayfishes) and the Amphipoda (amphipods) with 168 and 67 threatened species respectively. The crayfishes at risk are virtually all threatened by habitat loss. Most of the threatened amphipods live in extremely restricted and vulnerable environments (caves). Only two species of marine crustaceans are included in the Red List, the coconut crab and the California Bay pea crab. The status of other species of marine crustaceans is unknown.

Where are the Threatened Taxa?

Countries with the Largest Number of Threatened Species

The identification of the countries with the largest number of threatened species enables countries to be informed of their global responsibility to protect and maintain all species for which they are the stewards. Not all countries are the same size or harbor equal numbers of species, thus each country should not be evaluated by the same standard.

This section includes discussion relating to mammals and birds and highlights the countries with the largest numbers of threatened species. In many cases, estimates are given for the following: the total number of species in a region; the percentage of endemic species; and the percentage of a country's species that are threatened. These estimates are based on figures in the World Conservation Monitoring Centre (1994). Taxonomy followed in this source might differ from that used in the Red List. However, it is important to include these estimates of species richness and endemism, as they give perspective to the levels of threat in each country.

Mammals

With 128 threatened species, Indonesia has by far the largest number of threatened species in the world, followed by China and India each with 75 threatened

Table 1
Countries with the Most Species of Threatened (CR, EN, VU) Mammals

	Number of Threatened Mammals	Total Number of Mammals in Country	Percent Threatened	Total Number of Endemics
Indonesia	128	436	29%	201
China	75	394	19%	77
India	75	316	24%	44
Brazil	71	394	18%	96
Mexico	64	450	14%	140
Australia	58	252	23%	198
Papua New Guinea	57	214	27%	57
Philippines	49	153	32%	97
Madagascar	46	105	44%	77
Peru	46	344	13%	45
Kenya	43	359	12%	21
Malaysia	42	286	15%	27
Zaire	38	415	9%	28
Viet Nam	38	213	18%	7
Ethiopia	35	255	14%	31
USA	35	428	8%	101
Colombia	35	359	10%	28
Thailand	34	265	13%	7
South Africa	33	247	13%	27
Tanzania	33	322	10%	14

species. These countries all have high numbers of mammal species (Table I). Indonesia is ranked second in total number of mammal species, China fifth, and India about tenth. These countries also have extremely high human populations. In sum, they account for 43% of the world's population (Rand McNally 1992). While these countries are some of the most species rich in the world, they also have a high proportion of mammals that are threatened with extinction: Indonesia 29%, China 19%, and India 24%. However, not all countries with high total numbers of mammal species have such high proportions of threatened species. Mexico, Zaire, and United States also rank in the top ten countries with the most mammal species, but harbor a significantly lower proportion of threatened mammals: 14%, 9%, and 8% respectively.

After Indonesia, China, and India, the countries with the largest number of threatened mammal species are, in

decreasing order: Brazil, Mexico, Australia, Papua New Guinea, Philippines, Madagascar, and Peru. For more information on the number of threatened species in each country, refer to Data Table 3, page 51.

Australia, the Philippines, and Madagascar all have exceptionally high proportions of mammal species that are endemic. They are also among the countries with the highest percent of mammals that are threatened. Twenty three percent of Australia's mammals are threatened, and 79% of the country's species are endemic; 32% of the Philippine mammals are threatened, and 63% of all their mammals are endemic; 44% of Madagascar's mammals are threatened, and 73% of all the country's mammals are endemic.

As shown in Figure 6, the countries with the most threatened species are not all located in one region. Of the 20 countries with the most threatened mammals, 35% are from Asia, 30% from Africa, and 15% from South

Table 2
Countries with the Most Species of Threatened (CR, EN, VU) Birds

	Number of Threatened Birds	Total Number of Birds in Country	Percent Threatened	Total Number of Endemics
Indonesia	104	1,531	7%	397
Brazil	103	1,635	6%	177
China	90	1,244	7%	67
Philippines	86	556	15%	183
India	73	1,219	6%	55
Colombia	64	1,695	4%	62
Peru	64	1,678	4%	109
Ecuador	53	1,559	3%	37
USA	50	768	7%	71
Viet Nam	47	761	6%	10
Thailand	45	915	5%	3
Australia	45	751	6%	355
Myanmar	44	999	4%	4
New Zealand	44	287	15%	150
Argentina	41	976	4%	19
Russia	38	?	?	13
Mexico	36	1,026	4%	89
Malaysia	34	736	5%	11
Japan	33	583	6%	21
Papua New Guinea	31	708	4%	85

America. While 30% of the 20 countries with the most threatened species are in Africa, only Madagascar is listed in the top ten.

Birds

Indonesia, Brazil, and China have the highest numbers of threatened species of birds: 104, 103, and 90 respectively. Indonesia has the fifth highest number of bird species in the world, of which 7% are threatened. It also has the most endemic bird species. Brazil has the third largest number of bird species with 6% of them threatened. Although China has the eighth largest number of bird species, it has the third largest number of threatened species. As is the case with the mammals, the countries with the most threatened species also have extremely high human populations. Of the 20 nations with the most threatened bird species, these three countries have about the average proportion of species at risk of extinction.

However, countries such as Bolivia, Venezuela, and Zaire, not listed on Table 2, also have high numbers of bird species (over 1,000 each), yet these three countries have less than one third of the number of threatened species of the countries listed above, and roughly 2% of each nation's avifauna is threatened.

Other countries that harbor large numbers of threatened bird species are, in decreasing order: the Philippines, India, Colombia, Peru, Ecuador, the United States, and Viet Nam.

Countries listed in Table 2 with a high proportion of endemic birds are Indonesia, the Philippines, Australia, and New Zealand. While the percent of threatened birds in Indonesia and Australia is close to the average of all countries listed in Figure 2, 15% of the avifauna of the Philippines and of New Zealand is at risk of extinction, a remarkably high figure for birds.

Figure 7 clearly demonstrates that the countries with

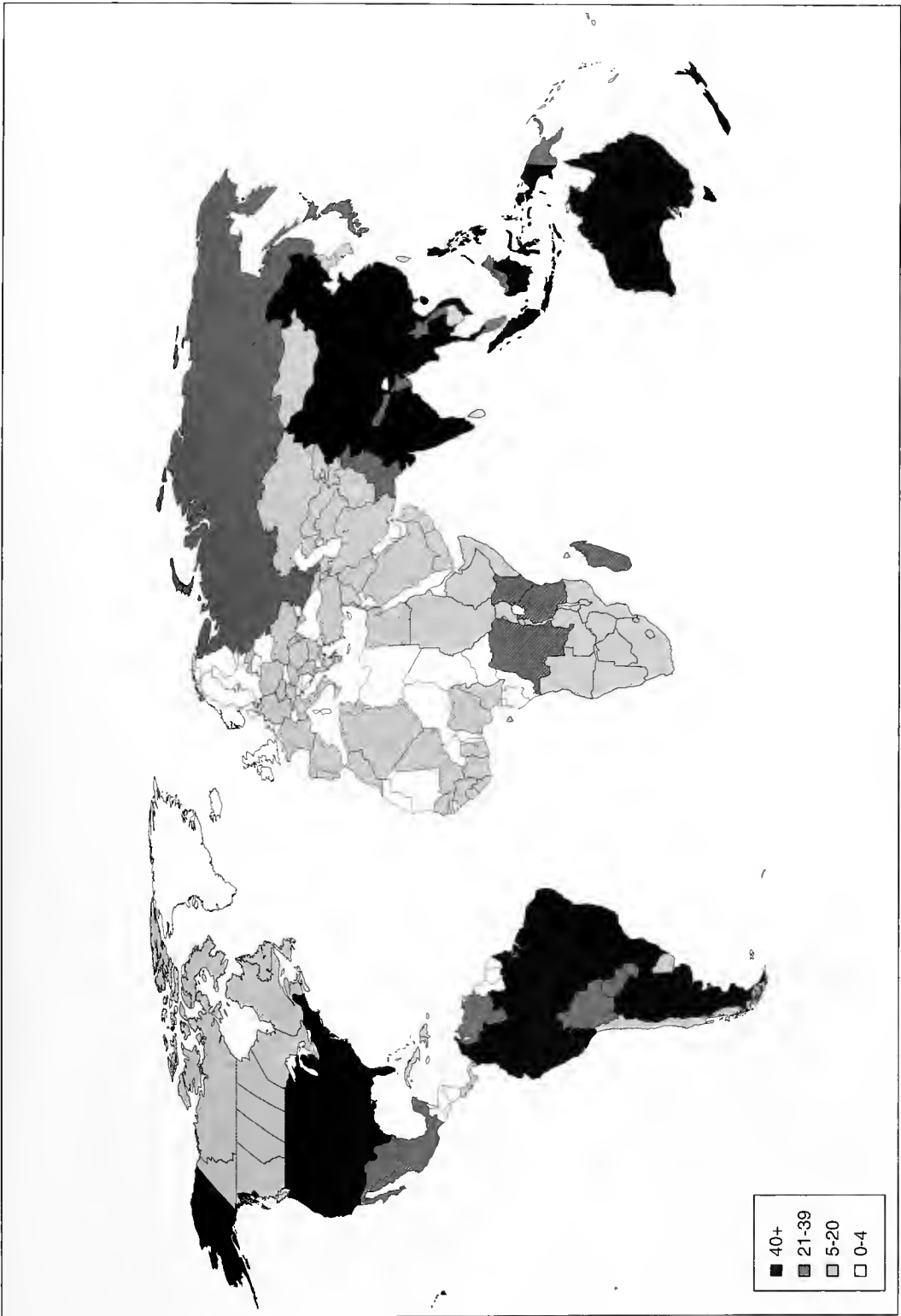


Figure 7. The geopolitical units with the most species of threatened (CR, EN, VU) birds. This map is meant as a general guide to indicate where the highest number of threatened species are found.

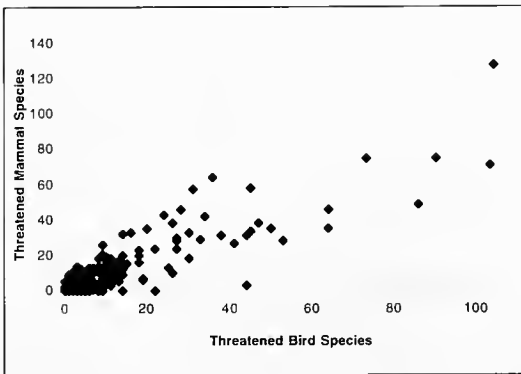


Figure 8. The correlation between threatened bird and mammal species within 230 geopolitical regions ($r = .74$).

the highest number of threatened bird species are located in the New World and Asia. Of the 20 countries with the largest number of threatened avian species 50% are from Asia, 25% South America, and 15% from Oceania. It is of particular note that there is not one African country listed in Table 2.

The Relationship Between Areas of Threat for Birds and Mammals

Many countries with large numbers of threatened birds also have large numbers of threatened mammals. Indonesia, China, Brazil, and India appear in the top five for both classes.

Figure 8 shows a strong relationship between the number of threatened birds and threatened mammals found in 230 different geopolitical units of the world. While there could be many factors influencing this correlation, such as country size and number of species in each geopolitical unit, this correlation indicates that, generally, where there are areas of larger numbers of threatened birds there will also be larger numbers of threatened mammals. This relationship suggests that the two groups may be susceptible to similar types of threat. If such a relationship could be established across all taxa, while remaining constant at different geographic scales, specific indicator groups could credibly be used to set priorities for conservation. The geographic threat patterns of other vertebrate groups is much less clear, as these groups have not been thoroughly assessed.

Reptiles, Amphibians, Fishes, and Invertebrates

The taxonomic groups covered by Figure 9, have not been comprehensively assessed, and thus are suscepti-

ble to regional biases based on information availability. For example, it is not likely that the United States has twice as many threatened invertebrate species as any other country. The reality is that the status of molluscs, crustaceans, and insects is particularly well-known in this country. Although the sequence of countries and the number of threatened species is very incomplete, Figure 9 clearly identifies some countries with large numbers of threatened species in these taxonomic groups. For further information on the number and status of species in each geopolitical region, refer to Data Tables 3 and 4, starting on page 51.

Factors Affecting Threat

The IUCN Red List categories have been designed to identify species that are threatened with extinction by flagging those taxa that are: experiencing significant population declines, restricted in distribution, have very low population numbers, or exhibit any combination of these factors. Also, some species have been listed on the basis of very small distributions (making them susceptible to stochastic events). The majority of species qualify as Critically Endangered, Endangered, or Vulnerable as a result of human-induced threats, though there are often many reasons why a species is listed as threatened.

Habitat reduction, fragmentation, and degradation are unquestionably the most significant threats to the majority of species at risk of extinction (Hanski *et al.* 1995). This is supported by the high percentage of species, in all major taxonomic groups, listed with the criteria/subcriteria combinations that specifically cite habitat loss or degradation as a threat: A1c; A2c; B1+2c; B2c+B3 and any of the B3 subcriteria (a, b, c, d). It is likely that many species listed under Criteria C, D, and E are also threatened due to habitat loss and degradation, but it is not required that specific threats are identified for these criteria. The following figures are based on the proportion of threatened species in each major taxonomic group where habitat loss or degradation is specifically identified as one of the main reasons for the species threatened status: Mammals 75%, Birds 44%, Reptiles 68%, Amphibians 58%, Fishes 55%, Crustaceans 52%, Insects 47%, Bivalves 95%, and Gastropods 50%. While this is undoubtedly an underestimate of the proportion of species that are threatened due to habitat reduction, fragmentation, and degradation, it clearly highlights the importance of maintaining intact ecological systems for the preservation of biodiversity.

The recent human population explosion in conjunction with economic development, has led to large-scale transformation of natural systems into human-dominated landscapes. The growing human population increases

pressure on the world's remaining intact habitats, including the most biodiversity rich regions of the world, such as in tropical forest countries. Habitat reduction, fragmentation, and degradation cause many species to decline in numbers and split once contiguous populations into several subpopulations, each of which has an elevated extinction risk (WCMC 1992; Hanski *et al.* 1995).

The introduction of non-native species often leads to hybridization, competition, predation, disease, parasites, and the alteration of ecological relationships between species, thus threatening entire ecological communities. Although the introduction of exotics is a growing threat in all ecosystems, it is particularly severe in aquatic systems and on oceanic islands, where many species have evolved in relatively small, isolated environments. This is reflected in the high number of island birds and molluscs, and freshwater fishes and molluscs, that have become extinct during the past 400 years, in part, as a result of the introduction of exotics (WCMC 1992).

Exploitation of species is responsible for the severe decline of many of the larger vertebrate and marine fish species in the Red List. The A1d and A2d criterion and subcriteria identify species that have experienced or will undergo rapid declines as a result of actual or potential levels of exploitation. The proportion of threatened species listed under this criterion and subcriteria provide

a general indication of the major taxonomic groups that are experiencing the greatest levels of exploitation. However, it does not necessarily represent the percent of species threatened due to exploitation, because species may be listed under other criteria (B, C, D, and E) that do not specify whether exploitation is a specific threat. As a proportion of the number of threatened species, 13% of mammals, 7% of birds, 31% of reptiles, and 68% of marine fishes were assessed with the A1d or A2d criterion and subcriteria.

The declines, due to exploitation, are the result of harvesting for reasons of commercial value, human subsistence, and sport. Other important human-induced threats include pollution and climate change (this latter factor is believed to be particularly significant for high-altitude amphibian species).

Changes from the IUCN Red List Over the Last Six Years

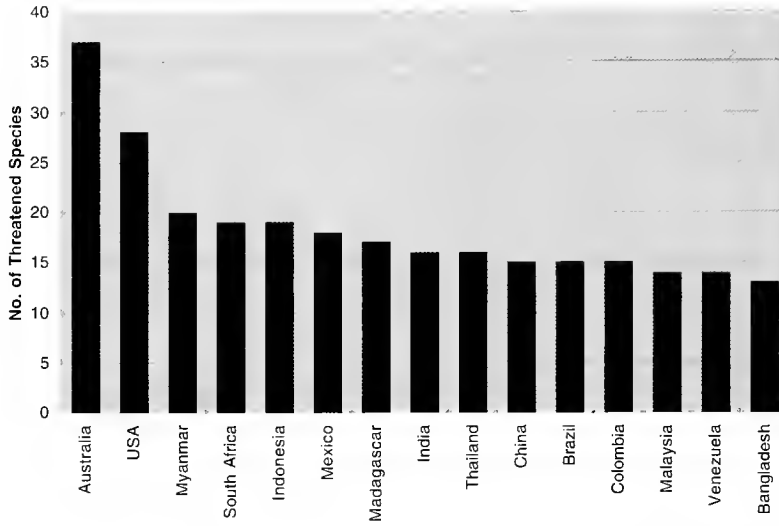
A summary of the number of threatened species recognized in 1990, 1994, and the current 1996 edition of the IUCN Red List, in each major group of animals, is shown in Table 3. Changes in these data reflect changes in the taxonomic extent of assessments, in the systematics and

Table 3
Total Number of Threatened Species

	1990	1994	1996
Mammals	535	741	1,096
Birds	1,026	970	1,107
Reptiles	169	316	253
Amphibians	57	169	124
Fishes	713	979	734
Invertebrates	1,977	2,754	1,891
Total	4,477	5,929	5,205

Note: The figures for 1990, 1994, and 1996 (this book) are not exactly comparable. The 1990 figures exclude Ex species but include Ex? and include 182 Commercially Threatened (CT) invertebrates. 1994 figures exclude all these but include K (Insufficiently Known) species. The 1996 figures include only species in the new CR, EN, and VU categories.

Countries with the Most Threatened Species of Reptiles



Countries with the Most Threatened Species of Amphibians

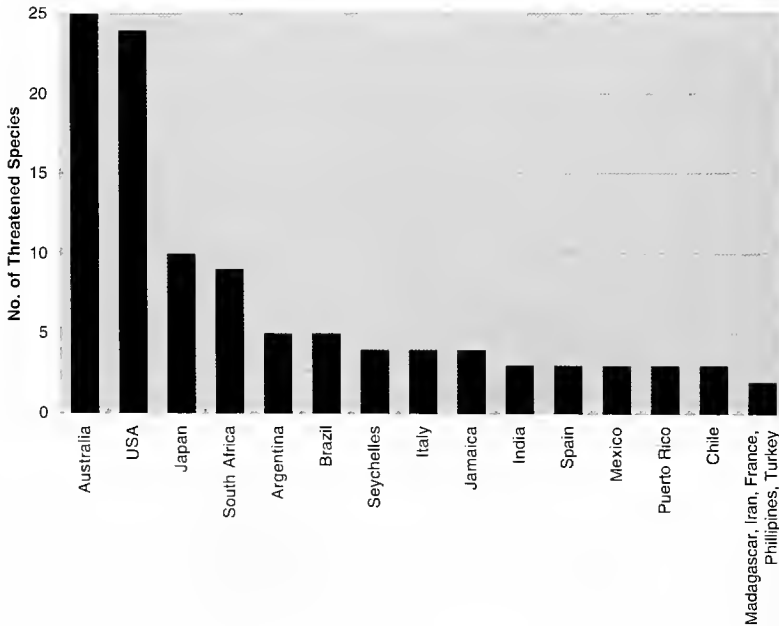
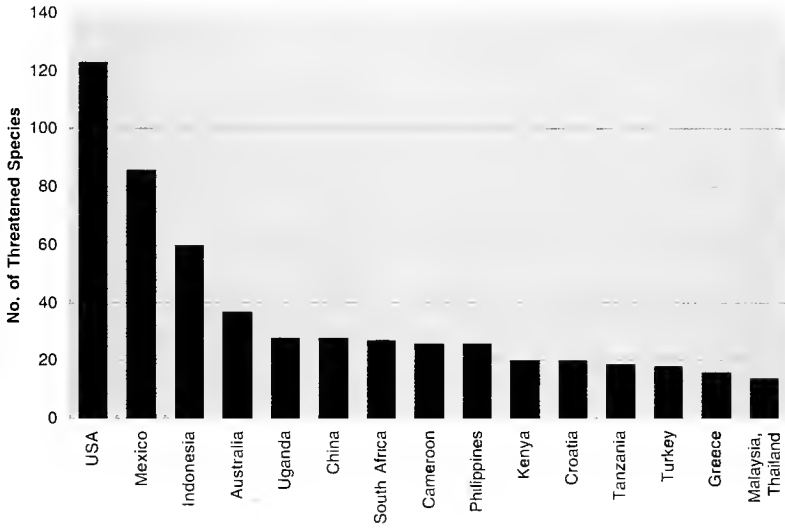
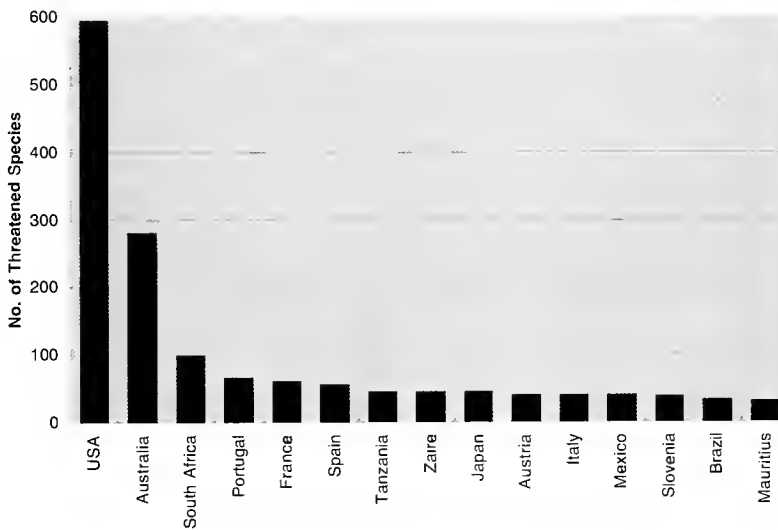


Figure 9. The fifteen countries with the largest number of known threatened reptiles, amphibians, fishes, and invertebrates. In the amphibian and fish graphs, there are several countries with the same number of threatened species. The countries tied for fifteenth place are lumped together for graphical purposes.

Countries with the Most Threatened Species of Fishes



Countries with the Most Threatened Species of Invertebrates



nomenclature of the species listed, in the categories that were included in the summary in the past (see footnote to table), and most notably, the major redesign of the category system used for the 1996 assessments. The summary data derived from recent Red Lists do not yet provide a firm guide to changes in the "on the ground" conservation status of the world fauna, but 1996 will set a baseline for mammals and birds: leaving changes in nomenclature aside, future assessments using the revised system will much more accurately indicate changes in the actual conservation status of these species.

The 1994 figures included species in the old Insufficiently Known (K) category; if assessed, most such species would now appear as Data Deficient (DD), some possibly as Lower Risk (near threatened). The old Indeterminate (I) category was also included in the summary; most of these would also now appear as DD or LR:nt. Around 2,000 K and I species were listed in 1994.

There were 2,114 vertebrates listed as Endangered (E), Vulnerable (V), or Rare (R) in 1994; these categories correspond loosely with the threatened group of categories (CR, EN, and VU) in the new system (a number of former Rare species will not now meet criteria for threatened status); so the 1994 figure may be compared fairly directly with a total of 3,314 threatened vertebrate species in 1996, an increase of 1,200 species. As noted above, all the world's known mammal species have been assessed for 1996, and this group, with 631 more species in the threatened categories (as equated above) in 1996 as compared with 1994, account for a significant part of the increase. The number of birds considered threatened (as above) has increased by around 680, a difference due to use of the new category system and a number of nomenclatural changes. Changes in the reptiles, amphibians, and fishes are far smaller: increases of 39, 5, and 104, respectively. All these differences are of course net differences between totals in 1994 and 1996, and do not reveal the pattern of change between categories, including movement in and out of the threatened group of categories.

Extinction

How Many Species have Recently Become Extinct and Where are they Found?

Extinction is a natural process. It is estimated that 95% of all species that ever existed are now extinct (Sepkoski 1995). However, this process of extinction has occurred over a very long time-scale (3.5 billion years) and despite extinctions, there has been a general trend of increasing species richness (WCMC 1992; May *et al.* 1995).

From the fossil record it is possible to determine the

Table 4
Recorded Number of Extinctions*

	Extinct	Extinct in the Wild	Total
Mammals	86	3	89
Birds	104	4	108
Reptiles	20	1	21
Amphibians	5	0	5
Fishes	81	11	92
Molluscs	230	9	239
Crustaceans	9	1	10
Insects	72	1	73
Other invertebrates	4	0	4
Total	611	30	

*Does not include species that went extinct more than 400 years ago.

average life-span of a species. This is thought to be 5-10 million years. If there are 5-10 million extant species, the background extinction rate should be about one species per year (May *et al.* 1995). While the exact number of species that are being lost per day or year is uncertain, it is clear that current extinction rates are very much higher than would be expected. Even the number of documented extinctions over the last 400 years (611) exceeds background estimates. This is alarming, because the number of documented extinctions is without doubt a gross underestimate of the number of species that have been lost over the past 400 years.

This gross underestimate is because most species have not been described, and of the species that have been catalogued, only extinctions of the best-known species have been documented over any length of time (mammals, birds, and molluscs). Also, as stated earlier, the status of the great majority of species remains unknown.

Table 4 shows that 86 documented mammal extinctions (1.8% of the total number of mammals) have occurred over the past 400 years. Roughly, 23% of these extinctions have occurred in Australia and 23% in the West Indies. The greatest number of extinctions has been among the rodents and bats, 46 and 13 species respectively. These orders are also the two largest and have the largest number of threatened species. It is inter-

esting to note that of all the mammal orders, primates have the fourth largest number of threatened species, but no documented extinction yet.

Over the same time period there have been 104 documented bird extinctions (1% of the total number of birds), 20% of which occurred in Mauritius, 18% in the United States (mostly Hawaiian islands), and 14% in New Zealand. Other geopolitical units with large numbers of bird extinctions are Reunion, Australia, and French Polynesia. This list clearly demonstrates that the majority of bird extinctions has taken place on islands. The largest number of extinctions (32) is in the largest order, Passeriformes. Other orders with large numbers of extinct species are Psittaciformes (13), Gruiformes (13), and Columbiformes (10), all of which are in the top five orders with the largest number of threatened species. It is interesting to note that while Galliformes have the third highest number of threatened species, only one is Extinct and one Extinct in the Wild.

Mollusc extinctions have been more thoroughly monitored than any other invertebrate group. However, records of documented extinctions only go back to the mid-19th century (WCMC 1992). Gastropods account for the majority of recent documented mollusc extinctions, most of which are in the order Stylommatophora. An extremely high proportion of the now extinct Stylommatophora were endemic to oceanic islands. All recent recorded bivalve extinctions have occurred in freshwater environments and have been from the order Unionoida. Given that there has been little attempt to document the extinctions of most invertebrate groups for any period of time, one can only guess how large the extinction list would be if these species, which account for more than 95% of all animals, were thoroughly documented and monitored.

Concluding Remarks

The vast number of threatened species listed in this document and the high proportion of threatened species in the two classes that have been comprehensively assessed, indicate that a significant proportion of the world's fauna is threatened with extinction. Eleven percent of all birds and 25% of all mammals are believed to be threatened. If either one of these classes is representative of the proportion of other life forms that are threatened, the future status of biodiversity looks very bleak. While the 5,205 species listed as threatened in this document is alarmingly high, it is important to recognize that less than 10% of the 1.7 million documented species have been evaluated, and that the 1.7 million documented species represent a relatively small proportion of all species believed to exist on this planet. Thus, it is reasonable to believe that the 5,205 threatened species is a small indicator of a much larger global phenomenon of biodiversity loss. Given the current state of knowledge, when future generations look back at the 20th century and try to make sense of the lack of commitment to preserving biodiversity, many reasons may be cited, but ignorance of the magnitude of the issue will not be a valid justification for inaction.

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Data Tables

Data Table 1
Status Category Summary for all Classes and Orders

Class Mammalia

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Monotremata	0	0	0	0	1	0	1	0	0	0
Didelphimorphia	0	0	0	3	3	15	21	0	18	5
Paucituberculata	0	0	0	0	0	1	1	0	0	0
Microbiotheria	0	0	0	0	0	1	1	0	0	0
Dasyuromorphia	1	0	1	0	6	10	16	0	5	10
Peramelemorphia	3	0	3	0	1	3	4	0	0	7
Notoryctemorphia	0	0	0	0	2	0	2	0	0	0
Diprotodontia	6	0	6	2	15	17	34	1	21	11
Xenarthra	0	0	0	0	3	5	8	0	2	6
Insectivora	6	0	6	37	48	67	152	0	5	6
Scandentia	0	0	0	0	2	4	6	0	0	0
Dermoptera	0	0	0	0	0	1	1	0	0	0
Chiroptera	13	0	13	26	32	173	231	2	210	43
Primates	0	0	0	13	29	54	96	3	37	22
Carnivora	3	1	4	4	24	37	65	4	11	19
Cetacea	0	0	0	2	6	6	14	14	1	38
Sirenia	1	0	1	0	0	4	4	0	0	0
Proboscidea	0	0	0	0	2	0	2	0	0	0
Perissodactyla	1	1	2	4	4	3	11	1	1	0
Hyracoidea	0	0	0	0	0	3	3	0	0	0
Artiodactyla	5	1	6	9	28	33	70	45	32	6
Pholidota	0	0	0	0	0	0	0	0	4	0
Rodentia	46	0	46	66	98	166	330	5	243	33
Lagomorpha	1	0	1	3	8	5	16	0	8	3
Macroscelidea	0	0	0	0	3	4	7	0	0	0
Subtotal	86	3	89	169	315	612	1096	75	598	209

Class Aves

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Struthioniformes	4	0	4	0	0	0	0	0	0	0
Rheiformes	0	0	0	0	0	0	0	0	2	0
Casuariiformes	2	0	2	0	0	2	2	0	1	0
Apterygiformes	0	0	0	0	0	3	3	0	0	0
Tinamiformes	0	0	0	2	0	5	7	0	5	1
Sphenisciformes	0	0	0	0	0	5	5	0	2	0
Podicipediformes	2	0	2	2	1	1	4	0	1	0
Procellariiformes	1	0	1	11	6	15	32	0	11	4
Pelecaniformes	1	0	1	1	0	12	13	0	7	1
Ciconiiformes	6	0	6	6	7	8	21	0	14	0
Anseriformes	6	0	6	4	2	19	25	0	10	0

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Falconiformes	2	0	2	4	8	19	31	0	44	2
Galliformes	1	1	2	12	10	49	71	0	35	1
Gruiformes	13	1	14	7	17	30	54	1	13	4
Charadriiformes	4	0	4	4	8	22	34	1	25	0
Columbiformes	10	1	11	13	8	34	55	1	45	0
Psittaciformes	13	1	14	9	28	52	89	0	40	0
Cuculiformes	1	0	1	1	3	6	10	0	9	2
Strigiformes	4	0	4	4	5	17	26	0	15	3
Caprimulgiformes	0	0	0	3	1	3	7	0	10	6
Apodiformes	1	0	1	8	7	20	35	0	25	4
Trogoniformes	0	0	0	0	1	1	2	0	3	0
Coraciiformes	0	0	0	3	5	17	25	0	22	2
Piciformes	1	0	1	2	4	8	14	0	34	0
Passeriformes	32	0	32	72	114	356	542	8	502	36
Subtotal	104	4	108	168	235	704	1107	11	875	66

Class Reptilia

Order

Crocodylia	0	0	0	4	3	3	10	0	0	3
Rhynchocephalia	0	0	0	0	0	1	1	0	0	0
Sauria	11	1	12	15	15	66	96	0	23	35
Serpentes	3	0	3	12	13	25	50	0	9	13
Testudines	6	0	6	10	28	58	96	1	47	23
Subtotal	20	1	21	41	59	153	253	1	79	74

Class Amphibia

Order

Anura	5	0	5	15	23	50	88	1	17	35
Caudata	0	0	0	3	8	25	36	1	8	7
Subtotal	5	0	5	18	31	75	124	2	25	42

Class Cephalaspidomorphi

Order

Petromyzontiformes	1	0	1	0	1	2	3	0	5	3
Subtotal	1	0	1	0	1	2	3	0	5	3

Class Elasmobranchii

Order

Hexanchiformes	0	0	0	0	0	1	1	0	0	0
Orectolobiformes	0	0	0	0	0	0	0	0	0	1
Lamniformes	0	0	0	0	1	3	4	0	0	0
Carchariniformes	0	0	0	1	1	2	4	0	0	0
Squaliformes	0	0	0	0	0	1	1	0	0	0

**Data Table 1
Continued**

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Pristiformes	0	0	0	0	4	0	4	0	0	0
Rajiformes	0	0	0	0	0	0	0	0	0	1
Myliobatiformes	0	0	0	0	1	0	1	0	0	0
Subtotal	0	0	0	1	7	7	15	0	0	2

Class Actinopterygii

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Acipenseriformes	0	0	0	6	11	8	25	0	2	0
Osteoglossiformes	0	0	0	0	1	0	1	0	2	1
Clupeiformes	0	0	0	0	2	2	4	0	0	8
Cypriniformes	17	1	18	41	36	114	191	7	30	68
Characiformes	0	0	0	0	1	0	1	0	0	6
Siluriformes	1	0	1	8	7	22	37	0	4	24
Salmoniformes	5	0	5	8	6	22	36	0	6	22
Percopsiformes	0	0	0	1	0	3	4	0	0	0
Gadiformes	0	0	0	1	0	2	3	0	0	0
Ophidiiformes	0	0	0	0	0	7	7	0	0	1
Batrachoidiformes	0	0	0	0	0	5	5	0	0	0
Lophiiformes	0	0	0	1	0	0	1	0	0	0
Atheriniformes	1	0	1	6	5	31	42	0	8	28
Cyprinodontiformes	10	5	15	18	20	25	63	0	3	11
Beloniformes	0	0	0	2	3	8	13	0	1	2
Gasterosteiformes	0	0	0	1	0	2	3	0	0	4
Syngnathiformes	0	0	0	1	0	36	37	0	0	11
Synbranchiformes	0	0	0	0	1	0	1	0	0	4
Scorpaeniformes	1	0	1	3	1	5	9	0	0	2
Perciformes	45	5	50	59	30	138	227	5	40	53
Pleuronectiformes	0	0	0	0	1	1	2	0	0	0
Tetraodontiformes	0	0	0	0	0	3	3	0	0	5
Subtotal	80	11	91	156	125	434	715	12	96	250

Class Sarcopterygii

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Coelacanthiformes	0	0	0	0	1	0	1	0	0	0
Subtotal	0	0	0	0	1	0	1	0	0	0

Class Echinoidea

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Echinoida	0	0	0	0	0	0	0	0	1	0
Subtotal	0	0	0	0	0	0	0	0	1	0

Class Arachnida

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Araneae	0	0	0	0	1	7	8	0	1	6
Opiliones	0	0	0	0	0	1	1	0	0	0
Pseudoscorpionida	0	0	0	0	0	1	1	0	0	1
Subtotal	0	0	0	0	1	9	10	0	1	7

Class Chilopoda

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Scolopendromorpha	0	0	0	0	0	1	1	0	0	0
Subtotal	0	0	0	0	0	1	1	0	0	0

Class Crustacea

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Amphipoda	4	0	4	6	5	56	67	0	0	0
Anaspidacea	0	0	0	0	0	4	4	0	0	0
Anomopoda	0	0	0	0	0	8	8	0	0	0
Anostraca	0	0	0	5	10	10	25	1	1	1
Calanoida	1	0	1	4	0	47	51	0	0	19
Conchostraca	0	0	0	0	0	4	4	0	0	0
Cyclopoida	1	0	1	1	0	6	7	5	0	0
Decapoda	1	0	1	24	48	96	168	0	0	7
Halocyprida	0	0	0	1	0	0	1	0	0	0
Harpacticoida	0	0	0	0	0	18	18	3	0	1
Isopoda	0	1	1	7	9	22	38	0	0	1
Mictacea	0	0	0	1	0	0	1	0	0	0
Misophrioida	0	0	0	2	0	0	2	0	0	0
Myodocopida	0	0	0	0	0	1	1	0	0	0
Mysidacea	0	0	0	2	0	0	2	0	0	0
Notostraca	0	0	0	0	1	0	1	0	0	0
Podocopida	2	0	2	1	0	8	9	0	0	0
Thoracica	0	0	0	0	0	0	0	0	0	2
Subtotal	9	1	10	54	73	280	407	9	1	31

Class Insecta

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Anoplura	0	0	0	1	0	0	1	0	0	0
Blattaria	0	0	0	0	0	0	0	0	0	0
Coleoptera	17	0	17	10	15	26	51	0	3	0
Collembola	0	0	0	0	0	0	0	0	0	0
Dermaptera	0	0	0	1	0	0	1	0	0	0
Diptera	3	0	3	1	2	1	4	0	0	0
Ephemeroptera	2	0	2	0	0	1	1	0	0	0
Grylloblattaria	0	0	0	0	0	1	1	0	0	0

Data Table 1
Continued

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Hemiptera	0	0	0	0	0	0	0	0	0	0
Homoptera	2	0	2	0	0	0	0	0	3	0
Hymenoptera	0	0	0	3	0	142	145	0	7	1
Lepidoptera	38	0	38	7	36	116	159	0	46	25
Mantodea	0	0	0	0	0	0	0	0	1	0
Mecoptera	0	0	0	0	0	0	0	0	0	0
Neuroptera	0	0	0	0	0	0	0	0	0	0
Odonata	2	0	2	13	55	39	107	0	17	11
Orthoptera	2	1	3	8	8	49	65	3	0	2
Phasmatoptera	1	0	1	0	0	0	0	0	0	0
Plecoptera	1	0	1	0	0	2	2	0	0	1
Thysanura	0	0	0	0	0	0	0	0	0	0
Trichoptera	4	0	4	0	0	0	0	0	0	0
Zoraptera	0	0	0	0	0	0	0	0	0	0
Subtotal	72	1	73	44	116	377	537	3	77	40

Class Merostomata

Order

Xiphosura	0	0	0	0	0	0	0	0	1	3
Subtotal	0	0	0	0	0	0	0	0	1	3

Class Onychophora

Order

Onychophora	3	0	3	1	3	2	6	0	1	1
Subtotal	3	0	3	1	3	2	6	0	1	1

Class Hirudinea

Order

Arhynchobdellae	0	0	0	0	0	0	0	0	1	0
Subtotal	0	0	0	0	0	0	0	0	1	0

Class Oligochaeta

Order

Haplotaxida	0	0	0	1	0	4	5	0	1	0
Subtotal	0	0	0	1	0	4	5	0	1	0

Class Polychaeta

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Not-specified	0	0	0	1	0	0	1	0	0	0
Eunicida	0	0	0	0	0	0	0	0	0	1
Subtotal	0	0	0	1	0	0	1	0	0	1

Class Bivalvia

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Ostreoida	0	0	0	0	0	0	0	0	0	1
Unionoida	12	0	12	81	22	7	110	1	61	4
Veneroida	0	0	0	0	0	4	4	4	1	0
Subtotal	12	0	12	81	22	11	114	5	62	5

Class Gastropoda

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Archaeogastropoda	2	0	2	7	1	2	10	0	1	24
Basommatophora	1	0	1	12	5	18	35	0	11	6
Mesogastropoda	21	0	21	48	89	181	318	3	23	192
Neogastropoda	0	0	0	0	0	4	4	0	3	22
Stylommatophora	192	9	201	109	95	235	439	13	134	297
Subtotal	216	9	225	176	190	440	806	16	172	541

Class Enopla

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Hoploneurtea	0	0	0	0	0	2	2	0	1	3
Subtotal	0	0	0	0	0	2	2	0	1	3

Class Turbellaria

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Tricladida	1	0	1	0	0	0	0	0	0	0
Subtotal	1	0	1	0	0	0	0	0	0	0

Class Anthozoa

Order	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Actiniaria	0	0	0	0	0	1	1	0	0	1
Gorgonacea	0	0	0	0	0	1	1	0	0	0
Subtotal	0	0	0	0	0	2	2	0	0	1

Data Table 2
Status Category Summary by Major Taxonomic Group

Class	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Mammalia	86	3	89	169	315	612	1096	75	598	209
Aves	104	4	108	168	235	704	1107	11	875	66
Reptilia	20	1	21	41	59	153	253	1	79	74
Amphibia	5	0	5	18	31	75	124	2	25	42
Cephalaspidomorphi	1	0	1	0	1	2	3	0	5	3
Elasmobranchii	0	0	0	1	7	7	15	0	0	2
Actinopterygii	80	11	91	156	125	434	715	12	96	250
Sarcopterygii	0	0	0	0	1	0	1	0	0	0
Echinoidea	0	0	0	0	0	0	0	0	1	0
Arachnida	0	0	0	0	1	9	10	0	1	7
Chilopoda	0	0	0	0	0	1	1	0	0	0
Crustacea	9	1	10	54	73	280	407	9	1	31
Insecta	72	1	73	44	116	377	537	3	77	40
Merostomata	0	0	0	0	0	0	0	0	1	3
Onychophora	3	0	3	1	3	2	6	0	1	1
Hirudinea	0	0	0	0	0	0	0	0	1	0
Oligochaeta	0	0	0	1	0	4	5	0	1	0
Polychaeta	0	0	0	1	0	0	1	0	0	1
Bivalvia	12	0	12	81	22	11	114	5	62	5
Gastropoda	216	9	225	176	190	440	806	16	172	541
Enopla	0	0	0	0	0	2	2	0	1	3
Turbellaria	1	0	1	0	0	0	0	0	0	0
Anthozoa	0	0	0	0	0	2	2	0	0	1

Data Table 3
Threatened Species: Country Totals by Taxonomic Group

	Mammals	Birds	Reptiles	Amphibians	Fishes	Invertebrates
Africa						
Country						
Algeria	15	8	1	0	1	11
Angola	17	13	5	0	0	6
Benin	9	1	2	0	0	0
Botswana	5	7	0	0	0	0
Burkina Faso	6	1	1	0	0	0
Burundi	5	6	0	0	0	3
Cameroon	32	14	3	1	26	4
Cape Verde	1	3	3	0	1	0
Central African Republic	11	2	1	0	0	0
Chad	14	3	1	0	0	1
Comoros	3	6	2	0	1	4
Congo	10	3	2	0	0	1
Côte d'Ivoire	16	12	4	1	0	1
Djibouti	3	3	2	0	0	0
Egypt	15	11	6	0	0	1
Equatorial Guinea	12	4	2	1	0	2
Eritrea	6	3	3	0	0	0
Ethiopia	35	20	1	0	0	4
Gabon	12	4	3	0	0	1
Gambia	4	1	1	0	0	0
Ghana	13	10	4	0	0	0
Guinea	11	12	3	1	0	3
Guinea-Bissau	4	1	3	0	0	1
Kenya	43	24	5	0	20	15
Lesotho	2	5	0	0	1	1
Liberia	11	13	3	1	0	2
Libya	11	2	3	0	0	0
Madagascar	46	28	17	2	13	14
Malawi	7	9	0	0	0	8
Mali	13	6	1	0	0	0
Mauritania	14	3	3	0	0	0
Mauritius	4	10	6	0	0	32
Mayotte	0	2	2	0	0	1
Morocco	18	11	2	0	1	7
Mozambique	13	14	5	0	2	7
Namibia	11	8	3	1	3	1
Niger	11	2	1	0	0	1
Nigeria	26	9	4	0	0	1
Réunion	2	3	4	0	0	17
Rwanda	9	6	0	0	0	2
São Tomé & Príncipe	3	9	2	0	0	2
Senegal	13	6	7	0	0	0
Seychelles	2	9	4	4	0	3
Sierra Leone	9	12	3	0	0	4
Somalia	18	8	2	0	3	1
South Africa	33	16	19	9	27	101

Data Table 3
Continued

	Mammals	Birds	Reptiles	Amphibians	Fishes	Invertebrates
St Helena	0	9	1	0	7	2
Sudan	21	9	3	0	0	1
Swaziland	5	6	0	0	0	0
Tanzania	33	30	4	0	19	46
Togo	8	1	3	0	0	0
Tunisia	11	6	2	0	0	5
Uganda	18	10	1	0	28	10
Western Sahara	7	1	2	0	0	0
Zaire	38	26	3	0	1	45
Zambia	11	10	0	0	0	6
Zimbabwe	9	9	0	0	0	2

Antarctica

Country

Falkland Islands	0	1	0	0	0	0
French Southern Territories	0	3	0	0	0	0
South Georgia	0	1	0	0	0	0

Asia

Country

Afghanistan	11	13	1	1	0	1
Armenia	4	5	3	0	0	6
Azerbaijan	11	8	3	0	5	6
Bahrain	1	1	0	0	0	0
Bangladesh	18	30	13	0	0	0
Bhutan	20	14	1	0	0	1
British Indian Ocean Territory	0	0	2	0	0	0
Brunei	9	14	4	0	2	0
Cambodia	23	18	9	0	5	0
China	75	90	15	1	28	4
Cyprus	3	4	3	0	0	1
Georgia	10	5	7	0	3	9
Hong Kong	0	14	1	0	0	1
India	75	73	16	3	4	22
Indonesia	128	104	19	0	60	29
Iran	20	14	8	2	7	3
Iraq	7	12	2	0	2	2
Israel	13	8	5	0	0	10
Japan	29	33	8	10	7	45
Jordan	7	4	1	0	0	3
Kazakhstan	15	15	1	1	5	4
Korea, North	7	19	0	0	0	1

	Mammals	Birds	Reptiles	Amphibians	Fishes	Invertebrates
Korea, South	6	19	0	0	0	1
Kuwait	1	3	2	0	0	0
Kyrgyzstan	6	5	1	0	0	3
Laos	30	27	7	0	4	0
Lebanon	5	5	2	0	0	1
Malaysia	42	34	14	0	14	3
Maldives	0	1	2	0	0	0
Mongolia	12	14	0	0	0	3
Myanmar	31	44	20	0	1	2
Nepal	28	27	5	0	0	1
Oman	9	5	4	0	3	1
Pakistan	13	25	6	0	1	0
Philippines	49	86	7	2	26	18
Qatar	0	1	2	0	0	0
Russia	31	38	5	0	13	26
Saudi Arabia	9	11	2	0	0	1
Singapore	6	9	1	0	1	1
Sri Lanka	14	11	8	0	8	2
Syria	4	7	3	0	0	3
Taiwan	10	13	3	0	6	1
Tajikistan	5	9	1	0	1	2
Thailand	34	45	16	0	14	1
Turkey	15	14	12	2	18	9
Turkmenistan	11	12	2	0	5	3
Ukraine	15	10	2	0	12	13
United Arab Emirates	3	4	2	0	1	0
Uzbekistan	7	11	0	0	3	1
Viet Nam	38	47	12	1	3	0
Yemen	5	13	2	0	0	2

Europe

Country

Albania	2	7	1	0	7	3
Andorra	0	0	0	0	0	2
Austria	7	5	1	0	7	41
Belarus	4	4	0	0	0	6
Belgium	6	3	0	0	1	13
Bosnia and Herzegovina	10	2	0	1	6	6
Bulgaria	13	12	1	0	8	7
Croatia	10	4	0	1	20	8
Czech Republic	7	6	0	0	6	17
Denmark	3	2	0	0	0	10
Estonia	4	2	0	0	1	3
Faeroe Islands	1	0	0	0	0	0
Finland	4	4	0	0	1	8
France	13	7	3	2	3	61
Germany	8	5	0	0	7	29
Gibraltar	1	1	0	0	0	2
Greece	13	10	6	1	16	9

Data Table 3
Continued

	Mammals	Birds	Reptiles	Amphibians	Fishes	Invertebrates
Hungary	8	10	1	0	11	26
Iceland	1	0	0	0	0	0
Ireland	2	1	0	0	1	2
Italy	10	7	4	4	9	41
Latvia	4	6	0	0	1	6
Liechtenstein	0	1	0	0	0	4
Lithuania	5	4	0	0	1	5
Luxembourg	3	1	0	0	0	4
Macedonia	10	3	1	0	4	2
Malta	0	2	0	0	0	3
Moldova	2	7	1	0	9	5
Monaco	0	0	0	0	0	0
Netherlands	6	3	0	0	1	9
Norway	4	3	0	0	1	8
Poland	10	6	0	0	2	13
Portugal	13	7	0	1	9	67
Romania	16	11	2	0	11	21
Slovakia	8	4	0	0	7	20
Slovenia	10	3	0	1	5	38
Spain	19	10	6	3	10	57
Sweden	5	4	0	0	1	13
Switzerland	6	4	0	0	4	25
United Kingdom	4	2	0	0	1	10
Yugoslavia	12	8	1	0	13	19

North and Central America

Country						
Anguilla	0	0	5	0	0	0
Antigua and Barbuda	0	1	5	0	0	0
Aruba	1	1	2	0	0	1
Bahamas	4	4	7	0	1	1
Barbados	0	1	2	0	0	0
Belize	5	1	5	0	4	1
Bermuda	0	2	1	0	0	25
Canada	7	5	3	1	13	11
Cayman Islands	0	1	2	0	0	1
Costa Rica	14	13	7	1	0	9
Cuba	9	13	7	0	4	3
Dominica	1	2	4	0	0	0
Dominican Republic	4	11	10	1	0	2
El Salvador	2	0	6	0	0	1
Greenland	2	0	0	0	0	0
Grenada	0	1	4	0	0	0
Guadeloupe	5	0	6	0	0	1
Guatemala	8	4	9	0	0	8

	Mammals	Birds	Reptiles	Amphibians	Fishes	Invertebrates
Haiti	4	11	6	1	0	2
Honduras	7	4	7	0	0	2
Jamaica	4	7	8	4	0	5
Martinique	0	2	5	0	0	1
Mexico	64	36	18	3	86	40
Montserrat	1	0	5	0	0	0
Netherlands Antilles	1	1	6	0	0	0
Nicaragua	4	3	7	0	0	2
Panama	17	10	7	0	1	2
Puerto Rico	3	11	9	3	0	1
St Kitts and Nevis	0	1	5	0	0	0
St Lucia	0	3	6	0	0	0
St Vincent	1	2	4	0	0	0
Trinidad and Tobago	1	3	5	0	0	0
Turks and Caicos Islands	0	3	4	0	0	0
USA	35	50	28	24	123	594
Virgin Islands (British)	1	2	6	1	0	0
Virgin Islands (US)	0	2	5	0	0	0

Oceania

Country	Mammals	Birds	Reptiles	Amphibians	Fishes	Invertebrates
American Samoa	2	2	2	0	0	4
Australia	58	45	37	25	37	281
Christmas Island	0	3	2	0	0	0
Cocos (Keeling) Islands	0	3	0	0	0	0
Cook Islands	0	6	2	0	0	0
Federated States of Micronesia	6	6	2	0	0	4
Fiji	4	9	6	1	0	2
French Polynesia	0	22	2	0	3	29
Guam	2	3	2	0	1	6
Kiribati	0	4	2	0	0	1
Marshall Islands	0	1	2	0	0	1
Nauru	0	2	0	0	0	0
New Caledonia	5	10	3	0	0	11
New Zealand	3	44	11	1	8	15
Niue	0	1	1	0	0	0
Norfolk Island	0	8	2	0	0	12
Northern Marianas	1	7	2	0	0	3
Palau	3	2	2	0	0	4
Papua New Guinea	57	31	10	0	13	11
Pitcairn Islands	0	5	0	0	0	5
Solomon Islands	20	18	4	0	0	5
Tokelau	0	1	2	0	0	0
Tonga	0	2	3	0	0	1
Tuvalu	0	1	2	0	0	1
US Minor Pacific Islands	0	1	2	0	0	0
Vanuatu	3	6	3	0	0	1
Wallis and Futuna Islands	0	0	0	0	0	0
Western Samoa	2	6	2	0	0	1

Data Table 3
Continued

	Mammals	Birds	Reptiles	Amphibians	Fishes	Invertebrates
South America						
Country						
Argentina	27	41	5	5	1	11
Bolivia	24	27	3	0	0	1
Brazil	71	103	15	5	12	34
Chile	16	18	1	3	4	0
Colombia	35	64	15	0	5	0
Ecuador	28	53	12	0	1	23
French Guiana	9	1	8	0	0	0
Guyana	10	3	8	0	0	1
Paraguay	10	26	3	0	0	0
Peru	46	64	9	1	0	2
Suriname	10	2	6	0	0	0
Uruguay	5	11	0	0	0	1
Venezuela	24	22	14	0	5	1
Unknown	0	0	0	0	0	0

Data Table 4
Extinct, Threatened, and Other Species: Country Totals by Status Category

	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Africa										
Country										
Algeria	1	0	1	4	6	26	36	4	10	11
Angola	0	0	0	2	17	22	41	20	35	12
Benin	0	0	0	0	3	9	12	9	12	6
Botswana	0	0	0	1	3	8	12	25	10	2
Burkina Faso	0	0	0	1	2	5	8	9	9	2
Burundi	0	0	0	0	2	12	14	9	15	5
Cameroon	0	0	0	19	18	43	80	12	64	13
Cape Verde	1	0	1	1	3	4	8	0	0	0
Central African Republic	0	0	0	0	5	9	14	12	25	4
Chad	0	0	0	2	6	11	19	11	12	5
Comoros	0	0	0	6	5	5	16	0	7	0
Congo	0	0	0	1	7	8	16	3	32	8
Côte d'Ivoire	0	0	0	2	11	21	34	9	31	9
Djibouti	0	0	0	2	1	5	8	4	4	2
Egypt	0	0	0	4	9	20	33	4	12	8
Equatorial Guinea	0	0	0	1	9	11	21	1	29	7
Eritrea	0	0	0	1	2	9	12	5	6	1
Ethiopia	0	0	0	10	12	38	60	20	43	7
Gabon	0	0	0	3	6	11	20	5	30	10
Gambia	0	0	0	0	2	4	6	10	14	4
Ghana	0	0	0	2	6	19	27	8	40	7
Guinea	0	0	0	4	9	17	30	10	24	7
Guinea-Bissau	0	0	0	2	2	5	9	9	14	2
Kenya	1	0	1	21	27	59	107	27	49	11
Lesotho	0	0	0	2	0	7	9	9	9	0
Liberia	0	0	0	3	9	18	30	1	30	8
Libya	0	0	0	4	6	6	16	1	8	6
Madagascar	5	0	5	20	29	71	120	2	30	16
Malawi	0	0	0	1	10	13	24	18	24	3
Mali	0	0	0	1	6	13	20	10	14	5
Mauritania	0	0	0	4	5	11	20	7	9	5
Mauritius	44	1	45	11	14	27	52	2	5	7
Mayotte	5	0	5	2	1	2	5	0	0	0
Morocco	0	0	0	7	4	28	39	4	11	14
Mozambique	0	0	0	4	13	24	41	23	34	7
Namibia	1	0	1	3	8	16	27	23	25	3
Niger	0	0	0	1	5	9	15	10	6	5
Nigeria	0	0	0	2	13	25	40	13	47	10
Réunion	17	0	17	5	5	16	26	0	2	2
Rwanda	0	0	0	1	4	12	17	10	26	4
São Tomé & Príncipe	0	0	0	5	1	10	16	0	6	28
Senegal	0	0	0	3	8	15	26	12	22	6
Seychelles	3	0	3	7	4	11	22	2	2	1
Sierra Leone	0	0	0	3	8	17	28	6	38	6
Somalia	0	0	0	5	8	19	32	14	22	6

**Data Table 4
Continued**

	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
South Africa	10	0	10	23	41	141	205	33	91	17
St Helena	24	0	24	4	2	13	19	0	3	0
Sudan	0	0	0	6	10	18	34	19	30	8
Swaziland	0	0	0	2	1	8	11	23	4	0
Tanzania	0	0	0	14	58	60	132	29	51	51
Togo	0	0	0	0	4	8	12	10	20	6
Tunisia	0	0	0	3	3	18	24	3	9	8
Uganda	0	0	0	12	19	36	67	19	49	8
Western Sahara	0	0	0	3	4	3	10	1	3	0
Zaire	0	0	0	8	48	57	113	21	77	21
Zambia	0	0	0	2	7	18	27	20	26	3
Zimbabwe	0	0	0	1	5	14	20	24	18	3

Antarctica

Country

Falkland Islands	1	0	1	0	0	1	1	0	6	4
French Southern Territories	1	0	1	1	0	2	3	0	3	3
South Georgia	0	0	0	0	0	1	1	0	0	0

Asia

Country

Afghanistan	0	0	0	0	5	22	27	2	19	8
Armenia	0	0	0	2	1	15	18	1	17	8
Azerbaijan	0	0	0	1	5	27	33	3	20	11
Bahrain	0	0	0	0	0	2	2	0	2	2
Bangladesh	0	0	0	3	17	41	61	1	48	8
Bhutan	0	0	0	1	11	24	36	0	35	2
British Indian Ocean Territory	0	0	0	1	1	0	2	2	0	2
Brunei	0	0	0	2	6	21	29	0	40	8
Cambodia	0	0	0	8	18	29	55	0	33	7
China	2	1	3	19	46	148	213	5	161	41
Cyprus	0	0	0	1	3	7	11	2	8	5
Georgia	0	0	0	4	6	24	34	3	22	16
Hong Kong	0	0	0	1	5	10	16	0	10	2
India	0	0	0	15	42	136	193	6	148	32
Indonesia	5	0	5	27	72	241	340	6	246	100
Iran	0	0	0	3	12	39	54	3	26	16
Iraq	0	1	1	0	2	23	25	1	15	5
Israel	3	0	3	4	10	22	36	2	19	8
Japan	13	0	13	18	55	59	132	7	40	73
Jordan	0	1	1	0	4	11	15	1	10	3
Kazakhstan	0	0	0	1	6	34	41	3	29	14

	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Korea, North	0	0	0	3	6	18	27	3	13	2
Korea, South	0	0	0	2	5	19	26	3	17	2
Kuwait	0	1	1	1	1	4	6	0	3	2
Kyrgyzstan	0	0	0	0	3	12	15	1	6	4
Laos	0	0	0	7	15	46	68	0	57	14
Lebanon	0	0	0	1	1	11	13	2	9	6
Malaysia	0	0	0	12	25	70	107	3	93	24
Maldives	0	0	0	1	1	1	3	2	0	1
Mongolia	0	1	1	0	4	25	29	1	20	2
Myanmar	0	0	0	10	19	69	98	3	108	20
Nepal	0	0	0	3	14	44	61	2	58	7
Oman	0	0	0	2	7	13	22	1	4	4
Pakistan	0	0	0	2	10	33	45	2	36	8
Philippines	2	0	2	42	54	92	188	6	80	16
Qatar	0	0	0	1	1	1	3	0	0	2
Russia	3	0	3	6	25	82	113	10	66	44
Saudi Arabia	1	1	2	3	4	16	23	5	15	7
Singapore	0	0	0	0	6	12	18	3	5	5
Sri Lanka	0	0	0	7	18	18	43	10	27	10
Syria	0	1	1	2	5	10	17	2	15	7
Taiwan	0	0	0	3	8	22	33	3	30	5
Tajikistan	0	0	0	0	3	15	18	0	11	2
Thailand	1	1	2	14	25	71	110	3	97	32
Turkey	0	0	0	13	16	41	70	3	39	44
Turkmenistan	0	0	0	1	6	26	33	1	14	13
Ukraine	0	0	0	2	7	43	52	5	37	33
United Arab Emirates	0	0	0	1	3	6	10	1	2	3
Uzbekistan	0	0	0	1	4	17	22	1	11	6
Viet Nam	1	0	1	17	25	59	101	2	81	19
Yemen	0	1	1	5	3	14	22	2	13	2

Europe

Country

Albania	0	0	0	3	1	16	20	0	21	17
Andorra	0	0	0	0	0	2	2	0	0	0
Austria	2	0	2	8	15	38	61	5	42	30
Belarus	0	0	0	0	2	12	14	4	22	8
Belgium	0	0	0	2	1	20	23	3	24	10
Bosnia and Herzegovina	0	0	0	0	1	24	25	2	17	9
Bulgaria	0	0	0	2	4	35	41	2	40	33
Croatia	1	0	1	1	4	38	43	2	20	22
Czech Republic	0	0	0	1	2	33	36	5	32	18
Denmark	1	0	1	0	2	13	15	4	15	8
Estonia	0	0	0	1	1	8	10	2	17	10
Faeroe Islands	0	0	0	0	0	1	1	0	1	0
Finland	0	0	0	1	2	14	17	4	23	12
France	2	0	2	6	5	78	89	4	45	22
Germany	3	0	3	2	4	43	49	6	38	28
Gibraltar	0	0	0	0	0	4	4	1	1	1

**Data Table 4
Continued**

	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Greece	0	0	0	7	4	44	55	3	39	34
Hungary	0	0	0	2	6	48	56	4	37	23
Iceland	1	0	1	0	0	1	1	0	1	1
Ireland	0	0	0	1	1	4	6	3	6	5
Italy	1	0	1	6	6	63	75	5	47	21
Latvia	0	0	0	0	1	16	17	2	22	10
Liechtenstein	0	0	0	0	0	5	5	1	4	0
Lithuania	0	0	0	0	2	13	15	4	23	11
Luxembourg	0	0	0	1	1	6	8	1	10	2
Macedonia	0	0	0	0	0	20	20	1	19	3
Malta	0	0	0	1	0	4	5	0	5	7
Moldova	0	0	0	0	4	20	24	1	21	24
Monaco	0	0	0	0	0	0	0	0	1	0
Netherlands	0	0	0	2	0	17	19	3	24	7
Norway	0	0	0	1	1	14	16	5	18	8
Poland	0	0	0	1	5	25	31	6	37	16
Portugal	3	0	3	15	10	72	97	8	26	7
Romania	0	0	0	3	7	51	61	5	39	34
Slovakia	0	0	0	0	2	37	39	5	37	16
Slovenia	0	0	0	0	4	53	57	2	22	12
Spain	2	0	2	9	16	80	105	10	68	18
Sweden	0	0	0	1	2	20	23	5	24	14
Switzerland	0	0	0	2	0	37	39	5	40	14
United Kingdom	1	0	1	2	1	14	17	4	17	9
Yugoslavia	1	0	1	4	5	44	53	2	40	31

North and Central America

Country										
Anguilla	1	0	1	1	3	1	5	0	2	0
Antigua and Barbuda	0	0	0	2	2	2	6	0	3	0
Aruba	0	0	0	2	0	3	5	0	0	0
Bahamas	2	0	2	3	5	9	17	0	7	1
Barbados	1	0	1	1	1	1	3	0	3	0
Belize	0	0	0	1	5	10	16	0	18	2
Bermuda	0	0	0	26	1	1	28	0	0	1
Canada	5	0	5	4	4	32	40	5	14	10
Cayman Islands	4	0	4	1	1	2	4	0	5	0
Costa Rica	0	0	0	4	16	24	44	0	46	4
Cuba	7	0	7	10	13	13	36	0	20	1
Dominica	0	0	0	1	2	4	7	0	5	0
Dominican Republic	8	0	8	4	8	16	28	0	18	1
El Salvador	0	0	0	2	4	3	9	0	12	2
Greenland	1	0	1	0	0	2	2	1	1	1
Grenada	0	0	0	2	3	0	5	0	0	0
Guadeloupe	4	0	4	1	8	3	12	0	7	0

	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
Guatemala	1	0	1	2	18	9	29	0	38	5
Haiti	9	0	9	2	6	16	24	0	20	2
Honduras	2	0	2	2	9	9	20	0	31	2
Jamaica	4	0	4	7	7	14	28	0	13	3
Martinique	6	0	6	2	4	2	8	0	5	0
Mexico	22	6	28	51	90	106	247	3	110	21
Montserrat	0	0	0	2	4	0	6	0	7	0
Netherlands Antilles	0	0	0	1	4	3	8	0	3	0
Nicaragua	0	0	0	1	7	8	16	0	34	8
Panama	0	0	0	2	11	24	37	0	55	4
Puerto Rico	5	0	5	6	10	11	27	0	8	2
St Kitts and Nevis	0	0	0	1	3	2	6	0	2	0
St Lucia	1	0	1	2	5	2	9	0	7	0
St Vincent	0	0	0	2	3	2	7	0	2	0
Trinidad and Tobago	0	0	0	2	4	3	9	1	11	1
Turks and Caicos Islands	0	0	0	2	3	2	7	0	2	0
USA	177	3	180	212	150	492	854	16	184	213
Virgin Islands (British)	0	0	0	3	3	4	10	0	1	0
Virgin Islands (US)	1	0	1	3	2	2	7	0	1	0

Oceania

Country

American Samoa	1	0	1	1	6	3	10	3	1	2
Australia	35	0	35	42	118	323	483	11	176	61
Christmas Island	1	0	1	0	0	5	5	0	1	1
Cocos (Keeling) Islands	0	0	0	0	0	3	3	0	0	0
Cook Islands	14	0	14	2	1	5	8	1	1	1
Federated States of Micronesia	2	0	2	8	6	4	18	4	5	53
Fiji	1	0	1	5	6	11	22	3	9	1
French Polynesia	62	9	71	26	13	17	56	2	1	1
Guam	3	1	4	4	5	5	14	3	2	49
Kiribati	0	0	0	1	3	3	7	3	0	1
Marshall Islands	0	0	0	1	1	2	4	3	0	3
Nauru	0	0	0	0	0	2	2	0	0	1
New Caledonia	4	0	4	5	12	12	29	3	1	3
New Zealand	20	1	21	7	9	66	82	1	23	12
Niue	0	0	0	0	1	1	2	0	0	1
Norfolk Island	8	0	8	2	4	16	22	0	0	2
Northern Marianas	0	0	0	5	2	6	13	3	3	11
Palau	1	0	1	4	3	4	11	4	4	54
Papua New Guinea	1	0	1	12	25	85	122	4	61	54
Pitcairn Islands	0	0	0	0	0	10	10	1	0	0
Solomon Islands	3	0	3	8	11	28	47	4	28	3
Tokelau	0	0	0	1	1	1	3	2	0	1
Tonga	1	0	1	1	3	2	6	3	2	1
Tuvalu	0	0	0	1	1	2	4	3	0	1
US Minor Pacific Islands	1	0	1	1	1	1	3	1	0	0
Vanuatu	0	0	0	1	2	10	13	3	5	1
Wallis and Futuna Islands	0	0	0	0	0	0	0	0	1	0
Western Samoa	0	0	0	2	3	6	11	3	3	1

**Data Table 4
Continued**

	EX	EW	Subtotal	CR	EN	VU	Subtotal	LR:cd	LR:nt	DD
South America										
Country										
Argentina	2	0	2	6	20	64	90	1	91	15
Bolivia	0	0	0	4	11	40	55	2	71	10
Brazil	4	1	5	35	64	141	240	7	159	37
Chile	0	0	0	5	5	32	42	1	25	70
Colombia	3	0	3	16	35	68	119	1	123	15
Ecuador	4	0	4	7	23	87	117	1	92	15
French Guiana	0	0	0	3	6	9	18	0	26	6
Guyana	0	0	0	2	6	14	22	1	31	5
Paraguay	1	0	1	4	13	22	39	0	58	3
Peru	0	0	0	10	24	88	122	2	122	21
Suriname	0	0	0	2	5	11	18	0	29	4
Uruguay	0	0	0	1	6	10	17	0	17	7
Venezuela	0	0	0	7	21	38	66	1	79	10
Unknown	1	0	1	0	0	0	0	0	0	0

Guest Essays

Application of IUCN Red List Categories on a Regional Scale

by *Ulf Gärdenfors*

Introduction

The new IUCN Red List Categories (IUCN 1994) were developed primarily for application on the global scale, i.e. for judging the extinction risk of the whole species (or other taxon). Most countries concerned with compiling Red Lists will probably adopt the new categories in one form or another. However, by doing so, some problems may arise when the population of a species within a country (or other considered region) is only a part of a larger population. Furthermore, because the categories only consider extinction risks, there may also be other criteria that, from a national perspective, should be considered in order to develop conservation priorities.

Thus, there is a need to develop guidelines for applying the new categories at national or other regional levels in order to achieve a standardized application. To cope with the issue, IUCN has organized workshops, so far in Gland, Switzerland (March 1995; IUCN 1995) and in Cambridge, England (December 1995; Gärdenfors 1996). The process will continue, resulting in general recommendations from IUCN.

In this paper I will identify some of the conceptual problems that may arise when applying the IUCN Red List categories on a subglobal scale.

Problems at Regional Level

The IUCN (1994) categories of threat are defined by one of five criteria (A-E; see the section entitled *The New IUCN Categories and Criteria* in this book). The quantitative thresholds of the criteria were set roughly to correspond to each other in reflecting the extinction risk of taxa.

When applying these criteria on a national or other kind of regional level, there are few problems, so long as the population of the species to be assessed is isolated from other conspecific populations, or is endemic. The extinction risk for an isolated population is the same irrespective of whether it constitutes the only population of the species in the world, or if there are other totally isolated conspecific populations. But, if the target population constitutes only a part of a larger population, the quantitative thresholds in criteria A-D (and even E, depending on how the analysis is made) might not accurately reflect the extinction risk. Also, a global extinction

is final, while an extinction from a country may later be followed by a recolonization. While the new system has a clear definition for species that are Extinct (EX) or Extinct in the Wild (EW), it lacks a definition for Regionally Extinct (RE) species. The time frame considered when creating the definition of RE will effect the listings.

The time frame is also important when considering the categories Critically Endangered (CR), Endangered (EN) and Vulnerable (VU) on a regional level. When assessing the prospects for the next 10 years, for example, a species may face an extinction risk in a country of more than 50% (CR). However, if these prospects are assessed over a period of 100 years the extinction risk for the same species might still be 50% (then corresponding to VU), because there are interactions with populations outside the country.

Hypothetical Cases

In Figure 1 the species is represented in the country only by a marginal part of a larger distribution area. The extinction risk within the country may be less than what the criteria A-D(-E) applied on the national part of the population suggest (compared to when applied on a global level), because if the species tends to die out within the country, new individuals from neighboring countries may move in (rescue effect). However, in rare instances, the reverse situation might be the case. If the marginal population is not self-sustaining and depends on regular immigration from the more central parts of the geographic range, the extinction risk within the country could be higher than is suggested by criteria A-D(-E), if something threatens the central population. In both cases, however, the extinction risk depends on the adopted time frame. Over a short time perspective the species may face a high extinction risk, but in a longer perspective there is a good possibility of recolonization and survival.

In the next case (Figure 2), the population in the country is geographically separated from other populations. If there is no flow of individuals between the populations, the new IUCN criteria are applicable, because populations outside the country do not affect the extinction risk within the country. If, on the other hand, there is a source-sink situation with a regular inflow of individuals, we have a similar situation to that shown in Figure 1. Again, the extinction risk depends on the time frame. In the case of an isolated self-sustaining population, the extinction risk may be low over a short time span, but

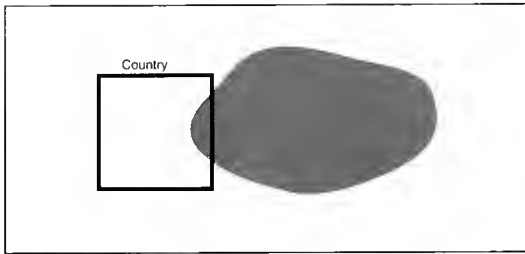


Figure 1.

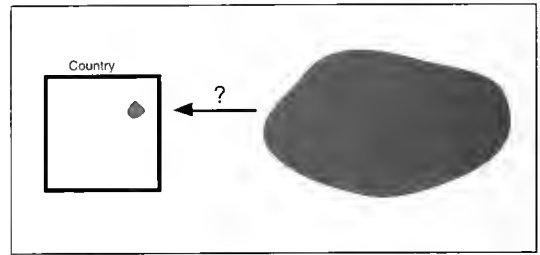


Figure 2.

very high over a longer time span, while the reverse may be the case in the source-sink situation.

Proposals on a Regional Scale

The obstacles to applying the new IUCN Red List criteria on a national level, as presented above, may seem very difficult to address, but I think they can be managed. The majority of threatened species are so because they have small and isolated populations. If they do not have a high dispersal ability, the application of the IUCN criteria is straightforward. The problems will mainly arise among highly mobile organisms, such as birds, larger mammals, certain insects, many marine organisms, and maybe cryptograms with easily dispersed spores. The problems will of course be more pronounced in countries surrounded by other countries than in those surrounded by sea or other barriers preventing dispersal.

Conceptually, one could possibly cope with the impact of neighboring populations by quantifying the flow of individuals (or diaspores) across the borders (IUCN 1995) and include this in a metapopulation model. However, in reality, we often lack such data. If we do have such data and are able to include it into a quantitative analysis, we can use criterion E. Because of the possibility of regional extinction, as well as the problems with the time frame, we must then add a passage to the definition of the E criterion of categories CR-VU. The current definition of CR under criterion E is:

Quantitative analysis showing the probability of extinction in the wild is at least 50% within 10 years or 3 generations, whichever is the longer

At a regional level, this criterion could read:

Quantitative analysis showing the probability of regional extinction, that will persist for at least 100 years from now, is at least 50% within 10 years or 3 generations, whichever is the longer.

In the majority of cases we lack such data and the solution must be to evaluate the population within the coun-

try against the IUCN criteria A-D, starting with the assumption that the national population is the only one in the world. Then, one should check the situation of the species against a list to determine whether or not any factors influence its extinction risk. Such a checklist should include at least the following items:

- Does the national/regional population have any obvious contact with populations outside the borders? What is the distance to the nearest population? Are there any effective barriers preventing dispersal to and from neighboring populations?
- Is the species capable of long-distance dispersal? Is it known to do so?
- How abundant is the species in neighboring regions? Are the populations there stable, increasing or decreasing? Are there any important threats to those populations?
- Are there any known differences in local adaptation between the national and foreign populations, i.e. is it probable that the foreign populations are adapted to survive within the country?
- What is the environmental (including climatological) situation within one's own country/region for the species? Is the national population self-sustaining (has it shown a positive reproduction rate over the years) or is it dependent on immigration for its long-term survival?
- Are environmental conditions in the country such that immigrating specimens are able to establish or has the species disappeared because these prerequisites were not fulfilled?
- If the species becomes extinct in the country, what are the probabilities for recolonization within 100 years?

If an evaluation of these questions indicates that foreign populations affect the extinction risk of the national pop-

ulation in such a way that it is lower or higher than the A-D criteria suggest, the threat category should be adjusted downwards or upwards. Such a movement must be indicated, e.g. by giving the category met by the global criteria within parenthesis. Thus EN (VU) would indicate that the species met the criteria for VU, but was moved upwards (probably a very rare situation) to EN, while EN (CR) indicates that it has been moved downwards (much more likely) from CR.

In the case where there is not enough data for such an evaluation, or the result is uncertain, the species should be placed in the category met by the global criteria.

It is worth noting that a neighboring population more often will affect the national category when the criteria B1, B3 and D are met (no observation of decline) than when criteria A, B2 and C are fulfilled (a decline has been observed). This is because if there is an observed decline, the decline happens in spite of any influence from populations outside the country (though the decline might have been even bigger without such an influence). Once again, the time frame is problematic, since there can be a decline in the country that, later on, can be balanced by immigration.

Other Red List Categories

The three Lower Risk (LR) subcategories, conservation dependent (cd), near threatened (nt) and least concern (lc), can be treated as defined by IUCN (1994) after having taken above mentioned considerations for CR-VU. The categories Data Deficient (DD) and Not Evaluated (NE) can be applied at national level without any adaptations.

As indicated earlier in this paper, it may be necessary to define a new category for species extinct only within a country or another region. An extinction of an endemic species in a country is equal to a global extinction, but when a more widespread species becomes extinct within a country, it still survives in other parts of the world. These two different kinds of extinction deserve to be recognized and distinguished in national Red Lists. This has already been done in some countries, and national extinction has been described by words such as Extirpated or Vanished. However, Vanished may be perceived as too weak a word, and Extirpated has the double disadvantage of alluding to deliberate human-induced eradication (which rarely is the case) and being confused with the category Extinct when abbreviated. The most appropriate term would probably be Regionally Extinct (RE).

Conservation Priority

The IUCN Red List categories do not allow for any considerations other than extinction risks. However, there may also be other criteria that are important when com-

ing to the decision about national conservation measures (Sparrowe and Wight 1975, Nieme 1982, Millsap *et al.* 1990, Daniels *et al.* 1991, Master 1991, Forey *et al.* 1994, Gärdenfors in press). As suggested in the IUCN guidelines (IUCN 1994, p. 8, section 11), and also by Avery *et al.* (1995), two important criteria could be global status and proportion of the global population or range that occurs within the region.

The global scale may not be the most appropriate for comparison with a national scale. A species scattered in fragmented populations over the entire Holarctic region is probably genetically considerably differentiated and the populations in North America and Eastern Europe most probably are not interchangeable. As a general rule, the most appropriate scale would probably be the continental or comparable biogeographic regional scale. The proportion of the international/continental population and probability of recolonization can be given on a scale from 0 to 1 (where the intervals for population percentages depend on the area of the country in relation to the continental area, Figure 3).

In a priority-setting system, many other criteria could be of interest, such as ecological importance, historical importance, taxonomic and genetic importance, importance to people, etc. Most of these, however, turn out to be problematic to apply, either conceptually or in practice (Gärdenfors in press) and are consequently difficult to include in a formalized priority-setting system. However, in cases where any such criterion is obviously important, it could be remarked upon separately.

Taking into consideration the points made above, a national Red List could have an appearance as in Figure 4. It is not obvious how to weigh the individual criteria against each other. Maybe the best solution is to avoid any such a priority weighting, and allow for different weighting when different situations and issues come up.

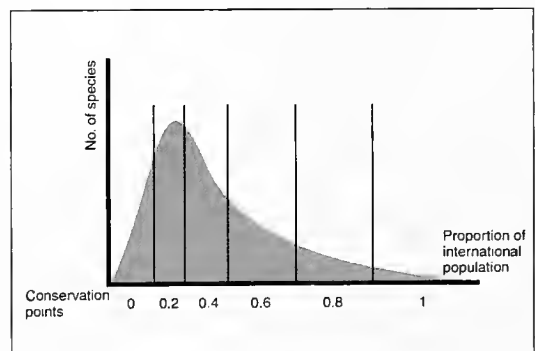


Figure 3.

Species	National Red List Category	IUCN Criteria	Continental Red List Category	Proportion of Contin. Pop.	Remark
<i>Aus australis</i>	EN	A2d, B2c + 3d	CR	0.8	Formerly distrib. all over the country
<i>Bus borealis</i>	nt (VU)	D2	—	0	
<i>Cus communis</i>	nt		—	0.4	A key-stone species
<i>Dus domesticus</i>	VU	E	—	0.2?	
<i>Eus Ephemericus</i>	RE		VU	0	
<i>Fus frugivorus</i>	EN(CR)	A1a, c	nt	0.2	Monotypic genus

Figure 4.

How to Proceed?

In order to develop guidelines for applying the IUCN Red List categories at regional levels it is now necessary to produce and distribute draft guidelines and test them against a wide variety of species in many countries in different parts of the world. It is important that this procedure involves a very wide consultation of national Red List compilers from throughout the world. Hopefully IUCN will be able to adopt and publish a set of official guidelines in the near future.

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Applying the New IUCN Threatened Species Categories

by Alison J. Stattersfield

Introduction

BirdLife International (formerly the International Council for Bird Preservation) has had a long history of involvement in the red-listing process, taking responsibility for advising IUCN and its Species Survival Commission on matters relating to the conservation status and needs of birds. BirdLife was among the first to apply the new IUCN threatened species categories in late 1993 and early 1994 (before the criteria were published), and was the first to evaluate a complete class of species.

Bird data for the Red Lists have come from the international Red Data Books, which have been a keystone of BirdLife's research work. This program started with Vincent (1966-1971), was updated by King (1978-1979), then followed by regional treatments of Africa (Collar and Stuart 1985) and the Americas (Collar *et al.* 1992) (all using the old IUCN categories), and work is currently under way to assess candidates for Asia (using the new categories). Annotated global checklists, where data sources are referenced (*Birds to Watch*), have also been published (Collar and Andrew 1988, Collar *et al.* 1994; using old and new categories respectively) to keep the summary information and category allocation up-to-date, and to compensate for the time-lag caused by the detailed work necessary to produce an exhaustively researched Red Data Book.

The old IUCN system for identifying threatened species gave broad definitions for five threatened categories, of which only two directly indicated the likelihood of extinction. The new system (used to list all species in this Red List) is characterized by quantitative or clearly defined criteria, subcriteria and qualifiers, based around an evaluation of probabilities of extinction within specified time-frames. Species may qualify for one of three threatened categories depending on whether their abundance and/or range sizes, or rates of decrease in these, meet explicit numerical thresholds (see, for example, Mace 1993, Mace and Stuart 1994).

The aims of this essay are threefold. First, to draw on the experience of BirdLife's research to discuss some of the particular difficulties which were experienced in applying the new IUCN threatened species categories to birds and to outline some potential solutions. Second, to use the BirdLife data to interpret the changes between successive Red Lists using the old and new categories. And third, to suggest how the red-listing process, using the new categories, can help conservation.

Some Problems and Solutions

One of the specific aims of the revision of the categories is to improve objectivity by providing clear guidance on how to evaluate different factors which affect the risk of extinction. For the majority of species—birds being no exception—numerical data concerning population numbers or rates of decline are lacking, or, at best, available on a site basis only (and thereby relevant to part of any population only). The preamble to the new categories therefore emphasizes the importance of attempting to classify poorly known taxa by estimating and extrapolating the current or potential threats into the future, and by allocating them a threat status by applying the precautionary principle.

Using inference in a consistent fashion, however, proved to be one of our greatest difficulties in producing the revised list for birds, for, despite the intentions of the new system, there is little guidance to help standardize this process. Indeed we found that there was considerable scope for variation in categorization of some species (using the same data) even between three people (my coauthors and I). Given that birds are the most comprehensively studied of all the classes of animals or plants, it is likely that inconsistencies arising from the use of inference will be far greater for those assessing less well known groups with fewer numerical clues, and in circumstances where more people contribute to the evaluation process.

Another dilemma we faced was the availability and quality of other data which could have helped us make well informed inferences. Despite access to many published sources of information and expertise from BirdLife's extensive network of contacts, we found that our information on, for example, habitat loss and degradation was poor in some parts of the world. While evaluators can reasonably be expected to assemble all the appropriate species-specific material (on distribution, population, ecology etc.), they may not have access to general data concerning a species's environment (e.g. logging activities or other land-use changes past, present, and planned). We recognized that some of our assessments might be seriously affected by ignorance of such key pieces of information (see Figure 1).

Other areas of difficulty, more fully discussed in Collar *et al.* (1994), included: the indistinct division between the near threatened and least concern categories; the appropriate use of the (non-threatened) conservation dependent category where information on important extrinsic factors such as the effectiveness of certain protected areas is needed; thresholds for the Critically Endangered category which could be (perhaps too) readily met by species with naturally small ranges as a result of any evidence indicating loss of habitat, however

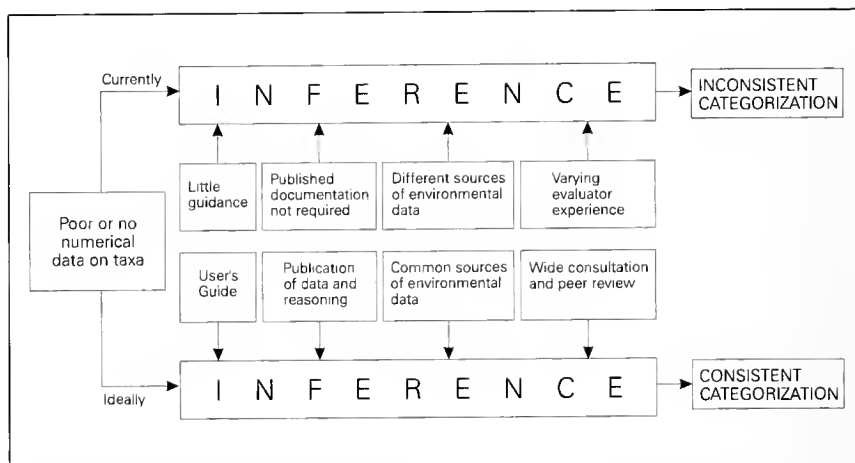


Figure 1. Some problems and solutions in applying the new IUCN threatened species categories.

slight; an apparent inequity between species with small stable populations (= not threatened) versus those with much larger ones in the same area but with declining ones elsewhere (= threatened); and the definition of location which is crucial to the interpretation of the range-size criteria (see also, for example, Baillie *et al.* 1995, Hallingbäck *et al.* 1995 for difficulties encountered in applying the categories to different faunal groups).

Many of the above problems could be diminished by more detailed guidance in the use of the criteria (and a "Users' Guide" is being prepared). This should be easier to formulate now, with many real examples, owing to the extensive collective experience of applying the categories for this Red List.

Further guidance will not, however, eliminate all the uncertainties associated with the use of inference. It is therefore vital that, where data are poor, the reasoning used to trigger certain criteria should be made as explicit as possible. Although the new system requires the inclusion of coding to indicate which criteria are judged to be met (rather than the category code alone), such notation could be misleading because there is no indication of levels of uncertainty. It is possible, because a species is classified as threatened using a system which is recognized as being more objective, to assume without question that the species meets the criteria (and has, for example, a population of less than 10,000 mature individuals) when, in fact, the original evaluation involved a highly precautionary inference derived from very slight evidence. Guesswork may therefore become fact, and judgements may not be re-evaluated from first principles in subsequent exercises. The only real solution, therefore, is to publish the species-specific and background data in detail, for example in Red Data Books, Action Plans,

standard forms which ensure that all relevant details are logged, or interactive user-friendly computer programs with a comprehensive help system specially designed for this purpose. At the very least the mammal, reptile, fish and other equivalents of *Birds to Watch* (summarizing distribution, habitat requirements, abundance, trends and threats) should be produced as the documentary basis of future Red Lists.

Publication of data will have several benefits: critical inferences will be indicated and might generate more appropriately orientated fieldwork and important new information; details of the assessment will be available for more efficient and improved re-evaluation; and the documentation will allow for wide consultation and independent peer review, to aid consistency between treatment of poorly known species in different taxonomic groups and regions of the world. In addition, the environmental knowledge which has influenced judgements will be disclosed and rendered accessible to other assessors of species with similar ranges and problems. However, it is not efficient for different evaluators repeatedly to find the same environmental information, nor are they necessarily the best people to interpret it. An invaluable supplement to the forthcoming Users' Guide, therefore, would be a common source of appropriate background data compiled and up-dated by relevant experts (see Figure 1).

Changes and Their Interpretation

Given the apparently major change in the categories and their criteria, one might expect big changes in the overall numbers and types of species listed as threatened. For

birds, there has been an increase from 1,030 (Collar and Andrew 1988) to 1,111 (Collar *et al.* 1994). Although the net change is a relatively small one—an additional 81 species in total (= 8% increase)—more considerable flux is masked: 295 species were upgraded to threatened status (29%) and 214 species downgraded (21%). However, these changes may be attributed to four factors—the currently volatile nature of ornithological taxonomy (+81, -12), the inevitable improvement in knowledge (+157, -139), genuine changes in status (+14, -2) and changes in the criteria (+43, -61). If we assume that the first three factors are independent of the system used (accounting for 85% and 71% of the upgrades and downgrades respectively), it appears that the new categories have not radically altered the end result. It might be possible, therefore, to conclude that the old IUCN system for the classification of threatened species was adequate after all. However, as the use of inference is a key factor in the appropriate application of the new categories, the potential for misuse under the old system (where there were broad definitions only for guidance) was many times greater.

An interpretation of the changes between successive Red Lists, combined with the probabilities of extinction implicit in the new categories, allows us to make predictions of the rates of species' extinctions. Such projections have been common in both the scientific and popular literature, and have caused much debate over the reality of the so-called impending extinction spasm (see, e.g. Myers 1987). We calculate that it would take between 800 and 2,800 years for half the world's birds (4,850 species) to go extinct (Crosby *et al.* 1994). This is based on our categorization in Collar *et al.* (1994) and a dynamic projection that takes into account the likely changes in knowledge over the next 100 years and a rate of change of status equivalent to the one which we had perceived during the period 1988-1994 or worse. Under "normal" conditions, using mean survival times as illustrated from the fossil record, one would expect the natural time to extinction for half the world's birds to be around 500,000 years. While we recognize that our models (which happen to be more optimistic than others based on older data and different methodologies, e.g. Smith *et al.* 1993) are not necessarily realistic, they clearly draw attention to a crisis of considerable magnitude, directly attributable to the destructive activities of man.

Using Red Lists

Red Lists are not an end in themselves. They provide information about the status of species, giving no indication of the conservation action which must be taken to save them from extinction.

The new guidelines state that the category of threat is

not necessarily sufficient to determine priority ranking for conservation, and that a system for such assessments would include numerous other factors such as costs, logistics, and chances of success. Although these may be addressed in Action Plans, the increasing number of threatened species joining the Red Lists means that, for most (uncharismatic) species, the only real prospect for saving them is by site protection. Thus geographical areas of overlap between the thousands of threatened species included in this Red List (by country, area, and ideally site) would represent a new and vitally important basis for assigning the biological priorities for conservation action, and help to focus resources appropriately where choices have to be made (see Collar 1994).

As a result of its Red Data Book research, BirdLife has already identified key forests for threatened Afrotropical birds (Collar and Stuart 1988) and key sites for threatened Neotropical birds (Wege and Long 1995). These studies show that many threatened species occur together in similar places and that site-based priorities can therefore be developed effectively through threatened species analysis. BirdLife's original Biodiversity Project extended this geographical approach by delimiting so-called Endemic Bird Areas (EBAs), covering the breeding ranges of all land bird species with restricted-ranges (including three-quarters of threatened species). The approach also demonstrated the importance of most of these areas for other endemic wildlife groups (ICBP 1992, Stattersfield *et al.* in prep.).

Current research at BirdLife focuses on Important Bird Areas (IBAs), which are selected on the basis of globally agreed criteria dealing with threatened species populations, importance for congregatory species, or representation of EBAs or larger biomes. The IBA initiative aims to cover the most important sites which will conserve all bird species for which a site-based approach is appropriate. IBAs have been identified for Europe (Grimmett and Jones 1989) and the Middle East (Evans 1994), and there is now a commitment to identify the majority of the world's IBAs by the year 2000. Despite the fact that evidence for congruence exists, such an approach could be adopted by colleagues working on other groups, and help to polarize attention on key sites for all plant and animal "sympatric" species.

Conclusions

1. Where numerical species data are lacking, varying experience and interpretation of the new IUCN criteria coupled with ignorance of key environmental information, will result in inconsistent categorization of species' status by different evaluators.
2. Consistency in categorization could be enhanced by

a variety of measures including more detailed guidance in the use of the criteria, publication and referencing of key data, provision of sharing common sources of environmental information, greater consultation and independent peer review.

3. Although differences between the bird Red Lists using the old and new criteria are relatively small, the new system establishes a framework which reduces subjectivity and renders red-listing more accountable.
4. Conservation efforts can be aided and influenced by a reinterpretation of the species data collated for Red Lists to identify key sites, especially those which would protect large numbers of sympatric threatened species.
5. Changes between successive Red Lists could provide a useful measure of progress in the conservation of the world's biodiversity.

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Threatened Species

Class MAMMALIA

Order MONOTREMATA

Family TACHYGLOSSIDAE

Zaglossus bruijini

Long-beaked Echidna

EN¹³ A1ac

Indonesia, Papua New Guinea

Order DIDELPHIMORPHIA

Family DIDELPHIDAE

Caluromys derbianus

VU¹²¹ A1c

Belize, Colombia, Costa Rica,
Ecuador, El Salvador, Guatemala,
Honduras, Mexico, Nicaragua,
Panama

Caluromysiops irrupta

VU¹²¹ B1+2c

Brazil, Peru

Glironia venusta

VU¹²¹ B1+2c

Bolivia, Brazil, Ecuador, Peru

Gracilinanus aceramarcae

CR¹²¹ B1+2c

Bolivia

Gracilinanus dryas

VU¹²¹ B1+2c

Venezuela

Gracilinanus emiliae

VU¹²¹ B1+2c

Brazil

Lestodelphys halli

VU¹²¹ B1+2c

Argentina

Marmosa andersoni

CR¹²¹ B1+2c

Peru

Marmosa xerophila

EN¹²¹ B1+2c

Colombia, Venezuela

Marmosops cracens

EN¹²¹ B1+2c

Venezuela

Marmosops dorothea

VU¹²¹ B1+2c

Bolivia

Marmosops handleyi

CR¹²¹ B1+2c

Colombia

Monodelphis emiliae

VU¹²¹ A1c

Brazil, Peru

Monodelphis kunsi

EN¹²¹ A1c

Bolivia, Brazil

Monodelphis maraxina

VU¹²¹ A1c

Brazil

Monodelphis osgoodi

VU¹²¹ A1c

Bolivia, Peru

Monodelphis rubida

VU¹²¹ A1c

Brazil

Monodelphis scalops

VU¹²¹ A1c

Brazil

Monodelphis sorex

VU¹²¹ A1c

Argentina, Brazil, Paraguay

Monodelphis theresa

VU¹²¹ A1c

Brazil, Peru

Monodelphis unistriata

VU¹²¹ A1c

Brazil

Order PAUCITUBERCULATA

Family CAENOLESTIDAE

Rhyncholestes raphanurus

VU¹²¹ A1c

Chile

Order MICROBIOTHERIA

Family MICROBIOTHERIIDAE

Dromiciops gliroides

VU¹²¹ A1c

Argentina, Chile

Order DASYUROMORPHIA

Family MYRMECOBIIDAE

Mymecobius fasciatus

Numbat

VU¹³ A1a, D2

Australia

Family DASYURIDAE

Dasyercus byrnei

Kowari

VU¹³ C2a

Australia

Dasyercus cristicauda

Mulgara

VU¹³ C2a

Australia

Dasyercus hillieri

Mulgara

EN¹³ B1+2d+3bc

Australia

Dasyurus albopunctatus

New Guinea Quoll

VU¹³ A1a

Indonesia, Papua New Guinea

Dasyurus geoffroyi

Chuditch

VU¹³ C1

Australia

Dasyurus maculatus

Spotted-tailed Quoll

VU¹³ C1+2a

Australia

Dasyurus spartacus

Bronze Quoll

VU¹³ A1c

Papua New Guinea

Parantechinus apicalis

Dibbler

EN¹³ B1+2ce

Australia

Phascogale calura

Red-tailed Phascogale

EN¹³ B1+2bd

Australia

Planigale novaeguineae

Papuan Planigale

VU¹³ D2

Papua New Guinea

Pseudantechinus mimulus

Carpenterian Antechinus

VU¹³ D2

Australia

Sminthopsis aitkeni

Kangaroo Island Dunnart

EN¹³ B1+2d

Australia

Sminthopsis butleri
Carpentarian Dunnart
VU¹³ D2
Australia

Sminthopsis douglasi
Julia Creek Dunnart
EN¹³ B1+2bd+3d
Australia

Sminthopsis psammophila
Sandhill Dunnart
EN¹³ B1+2ab+3ab
Australia

Order PERAMELEMORPHIA

Family PERAMELIDAE

Isodon auratus
Golden Bandicoot
VU¹³ B1+2e
Australia

Macrotis lagotis
Bilby
VU¹³ C2a
Australia

Perameles bougainville
Western Barred Bandicoot
EN¹³ B1+3a
Australia

Perameles gunnii
Eastern Barred Bandicoot
VU¹³ A1b
Australia

Order NOTORYCTEMORPHIA

Family NOTORYCTIDAE

Notoryctes caurinus
Northern Marsupial Mole
EN¹³ A1c+2c
Australia

Notoryctes typhlops
Southern Marsupial Mole
EN¹³ A1c+2c
Australia

Order DIPROTODONTIA

Family VOMBATIDAE

Lasiorhinus krefftii
Northern Hairy-nosed Wombat
CR¹³ B1+2c, DI
Australia

Family PHALANGERIDAE

Phalanger matanim
Telefomin Cuscus
EN¹³ B1+2e
Papua New Guinea

Phalanger rothschildi
Obi Cuscus
VU¹³ D2
Indonesia

Phalanger vestitus
Stein's Cuscus
VU¹³ A1a, B1+2a
Indonesia, Papua New Guinea

Spilocuscus rufoniger
Black-spotted Cuscus
EN¹³ A1d
Indonesia, Papua New Guinea

Family POTOROIDAE

Bettongia lesueur
Boodie
VU¹³ D2
Australia

Bettongia tropica
Northern Bettong
EN¹³ B1+2c
Australia

Potorous gilbertii
Gilbert's Potoroo
CR¹³ C2b, DI
Australia

Potorous longipes
Long-footed Potoroo
EN¹³ B1+2c, C2a
Australia

Family MACROPODIDAE

Dendrolagus dorianus
Doria's Tree-kangaroo
VU¹³ A1a
Indonesia, Papua New Guinea

Dendrolagus goodfellowi
Goodfellow's Tree-kangaroo
EN¹³ A1a
Papua New Guinea

Dendrolagus matschiei
Huon Tree-kangaroo
EN¹³ A1ac
Papua New Guinea

Dendrolagus mbaiso
Dingiso
VU¹³ A1d
Indonesia

Dendrolagus scottae
Scott's Tree-kangaroo
EN¹³ A1a, B1+2a
Papua New Guinea

Dorcopsis atrata
Black Dorcopsis
EN¹³ B1+2c
Papua New Guinea

Dorcopsulus macleayi
Macleay's Dorcopsis
VU¹³ D2
Papua New Guinea

Lagorchestes hirsutus
Rufous Hare-wallaby
VU¹³ D2
Australia

Lagostrophus fasciatus
Banded Hare-wallaby
VU¹³ D2
Australia

Onychogalea fraenata
Bridled Nailtail Wallaby
EN¹³ A1a, C1+2b
Australia

Petrogale penicillata
Brush-tailed Rock-wallaby
VU¹³ C2a
Australia

Petrogale persephone
Prosperine Rock-wallaby
EN¹³ B1+2a
Australia

Setonix brachyurus
Quokka
VU¹³ A1bce, C1
Australia

Thylogale brownii
New Guinea Pademelon
VU¹³ A1a
Indonesia, Papua New Guinea

Thylogale brunii
Dusky Pademelon
VU¹³ A1a
Indonesia, Papua New Guinea

Thylogale calabyi
Calaby's Pademelon
EN¹³ A1a, B1+2a
Papua New Guinea

Family BURRAMYIDAE

Burrhamys parvus
Mountain Pygmy-possum
EN¹³ B1+2abcde
Australia

Family PSEUDOCHEIRIDAE

Pseudocheirus occidentalis
Western Ringtail
VU¹³ C2a
Australia

Pseudocheirops albertisii
D'Albertis Ringtail
VU¹³ A1c, D2
Indonesia, Papua New Guinea

***Pseudocheirops corinnae***

Plush-coated Ringtail

VU¹³ A1a

Indonesia, Papua New Guinea

Family **PETAURIDAE*****Dactylopsila megalura***

Great-tailed Troik

VU¹³ A1d, B1+2a

Indonesia, Papua New Guinea

Dactylopsila tatei

Tate's Triok

EN¹³ B1+2c

Papua New Guinea

Gymnobelideus leadbeateri

Leadbeater's Possum

EN¹³ A2c, E

Australia

Petaurus abidi

Northern Glider

VU¹³ D2

Papua New Guinea

Petaurus gracilis

Mahogany Glider

EN¹³ A1b, B1+2abc, C2a

Australia

Order **XENARTHRA**Family **BRADYPODIDAE*****Bradypus torquatus***

Maned Sloth

EN⁶¹ A1cd

Brazil

Family **DASYPODIDAE*****Chaetophractus nationi***VU⁶¹ A1d

Argentina, Bolivia, Chile, Peru

Chlamyphorus retusus

Greater Pichi Ciego

VU⁶¹ A1c

Argentina, Bolivia, Paraguay

Chlamyphorus truncatus

Lesser Pichi Ciego

EN⁶¹ A1abcd

Argentina

Dasypus pilosusVU⁶¹ B1+2c

Peru

Priodontes maximus

Giant Armadillo

EN⁶¹ A1cd

Argentina, Bolivia, Brazil, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Suriname, Uruguay, Venezuela

Tolypeutes tricinctus

Brazilian Three-banded Armadillo

VU⁶¹ A1bcd

Brazil

Family **MYRMECOPHAGIDAE*****Myrmecophaga tridactyla***

Giant Anteater

VU⁶¹ A1cd

Argentina, Belize (ex?), Bolivia, Brazil, Colombia, Costa Rica, Ecuador, French Guiana, Guatemala, Guyana, Honduras, Nicaragua, Panama, Paraguay, Peru, Suriname, Uruguay, Venezuela

Order **INSECTIVORA**Family **SOLENODONTIDAE*****Solenodon cubanus***

Cuban Solenodon

EN¹⁵ A1cde

Cuba

Solenodon paradoxus

Haitian Solenodon

EN¹⁵ A1cde

Dominican Republic, Haiti

Family **TENRECIDAE*****Limnogale mergulus***

Aquatic Tenrec

EN⁹⁶ B1+2c

Madagascar

Microgale dryasCR⁹⁶ B1+2c

Madagascar

Microgale gracilis

Gracile Shrew-tenrec

VU⁹⁶ B1+2c

Madagascar

Microgale parvula

Pygmy Shrew-tenrec

EN⁹⁶ B1+2c

Madagascar

Microgale principula

Greater Long-tailed Shrew-tenrec

EN⁹⁶ B1+2c

Madagascar

Microgale pulla

Dusky Shrew-tenrec

VU⁹⁶ B1+2c

Madagascar

Microgale thomasi

Thomas's Shrew-tenrec

VU⁹⁶ B1+2c

Madagascar

Micropotamogale lamottei

Nimba Otter-shrew

EN⁹⁶ B1+2c

Côte d'Ivoire, Guinea, Liberia

Micropotamogale ruwenzorii

Ruwenzori Otter-shrew

EN⁹⁶ B1+2c

Uganda, Zaire

Potamogale veloxEN⁹⁶ B1+2c

Angola, Cameroon, Central African Republic, Chad, Congo, Gabon, Kenya, Nigeria, Sudan, Tanzania, Uganda, Zaire

Family **CHRYSOCHLORIDAE*****Amblysomus gunningi***

Gunning's Golden Mole

VU⁹⁶ B1+2c

South Africa

Amblysomus julianae

Juliana's Golden Mole

CR⁹⁶ B1+2c

South Africa

Chlorotalpa duthieae

Duthie's Golden Mole

VU⁹⁶ B1+2c

South Africa

Chlorotalpa sclateri

Sclater's Golden Mole

VU⁹⁶ B1+2c

Lesotho, South Africa

Chlorotalpa tytonis

Somali Golden Mole

CR⁹⁶ B1+2c

Somalia

Chrysochloris visagiei

Visagie's Golden Mole

CR⁹⁶ B1+2c

South Africa

Chryso spalax trevelyani

Giant Golden Mole

EN⁹⁶ B1+2c

South Africa

Chryso spalax villosus

Rough-haired Golden Mole

VU⁹⁶ B1+2c

South Africa

Cryptochloris wintoni

De Winton's Golden Mole

VU⁹⁶ B1+2c

South Africa

Cryptochloris zylfi

Van Zyl's Golden Mole

CR⁹⁶ B1+2c

South Africa

Eremitalpa granti

Grant's Golden Mole

VU⁹⁶ B1+2c

Namibia, South Africa

Family ERINACEIDAE

Hylomys hainanensis

Hainan Gymnure
EN ⁹⁶ B1+2c
China

Hylomys parvus

Dwarf Gymnure
CR ⁹⁶ B1+2c
Indonesia

Mesechinus hughii

Hugh's Hedgehog
VU ⁹⁶ B1+2c
China

Podogymnura aureospinula

Dinagat Moonrat
EN ⁹⁶ B1+2c
Philippines

Podogymnura truei

Mindanao Gymnure
EN ⁹⁶ B1+2c
Philippines

Family SORICIDAE

Chimarrogale hantu

Malayan Water Shrew
CR ⁹⁶ B1+2c
Malaysia

Chimarrogale phaeura

Borneo Water Shrew
EN ⁹⁶ B1+2c
Malaysia

Chimarrogale sumatrana

Sumatra Water Shrew
CR ⁹⁶ B1+2c
Indonesia

Congosorex polli

CR ⁹⁶ B1+2c
Zaire

Crocicidura allex

VU ⁹⁶ B1+2c
Kenya, Tanzania

Crocicidura andamanensis

EN ⁹⁶ B1+2c
India (Andaman & Nicobar Is)

Crocicidura ansellorum

CR ⁹⁶ B1+2c
Zambia

Crocicidura attila

VU ⁹⁶ B1+2c
Cameroon, Central African Republic,
Congo, Gabon, Zaire

Crocicidura baileyi

VU ⁹⁶ B1+2c
Ethiopia

Crocicidura beatus

VU ⁹⁶ B1+2c
Philippines

Crocicidura beccarii

EN ⁹⁶ B1+2c
Indonesia

Crocicidura bottegoides

VU ⁹⁶ B1+2c
Ethiopia

Crocicidura caliginca

CR ⁹⁶ B1+2c
Zaire

Crocicidura canariensis

VU ⁹⁶ B1+2c
Spain (Canary Is)

Crocicidura congobelgica

VU ⁹⁶ B1+2c
Zaire

Crocicidura desperata

CR ⁹⁶ B1+2c
Tanzania

Crocicidura dhofarensis

CR ⁹⁶ B1+2c
Oman

Crocicidura eisentrauti

CR ⁹⁶ B1+2c
Cameroon

Crocicidura elgonius

VU ⁹⁶ B1+2c
Kenya, Tanzania

Crocicidura erica

VU ⁹⁶ B1+2c
Angola

Crocicidura fischeri

VU ⁹⁶ B1+2c
Kenya, Tanzania

Crocicidura flavescens

VU ⁹⁶ B1+2c
South Africa

Crocicidura floweri

Flower's Shrew
EN ⁹⁶ B1+2c
Egypt

Crocicidura foxi

VU ⁹⁶ B1+2c
Benin, Ghana, Nigeria, Togo

Crocicidura fumosa

VU ⁹⁶ B1+2c
Kenya

Crocicidura glassi

VU ⁹⁶ B1+2c
Ethiopia

Crocicidura gracilipes

CR ⁹⁶ B1+2c
Kenya?, Tanzania

Crocicidura grandis

EN ⁹⁶ B1+2c
Philippines

Crocicidura grayi

VU ⁹⁶ B1+2c
Philippines

Crocicidura greenwoodi

VU ⁹⁶ B1+2c
Somalia

Crocicidura harena

CR ⁹⁶ B1+2c
Ethiopia

Crocicidura hispida

Andaman Shrew
EN ⁹⁶ B1+2c
India (Andaman & Nicobar Is)

Crocicidura jenkinsii

CR ⁹⁶ B1+2c
India (Andaman & Nicobar Is)

Crocicidura kivuana

VU ⁹⁶ B1+2c
Zaire

Crocicidura latona

VU ⁹⁶ B1+2c
Zaire

Crocicidura longipes

EN ⁹⁶ B1+2c
Nigeria

Crocicidura lucina

VU ⁹⁶ B1+2c
Ethiopia

Crocicidura ludia

VU ⁹⁶ B1+2c
Zaire

Crocicidura macmillani

CR ⁹⁶ B1+2c
Ethiopia

Crocicidura macowi

CR ⁹⁶ B1+2c
Kenya

Crocicidura malayana

EN ⁹⁶ B1+2c
Malaysia

Crocicidura mindorus

EN ⁹⁶ B1+2c
Philippines

Crocicidura miya

Sri Lankan Long-tailed Shrew
EN ⁹⁶ B1+2c
Sri Lanka

Crocicidura monax

VU ⁹⁶ B1+2c
Kenya, Tanzania

Crocicidura negrina

CR ⁹⁶ B1+2c
Philippines

Crocicidura nicobarica

Nicobar Shrew
EN ⁹⁶ B1+2c
India (Andaman & Nicobar Is)



- Crocicidura orientalis*
VU ⁹⁶ D2
Indonesia
- Crocicidura orii*
Orii's Shrew
EN ⁹⁶ B1+2c
Japan (Nansei-shoto)
- Crocicidura osorio*
VU ⁹⁶ D2
Spain (Canary Is)
- Crocicidura palawanensis*
VU ⁹⁶ B1+2c
Philippines
- Crocicidura paradoxura*
EN ⁹⁶ B1+2c
Indonesia
- Crocicidura pergrisea*
Pale Grey Shrew
VU ⁹⁶ B1+2c
India
- Crocicidura phaeura*
CR ⁹⁶ B1+2c
Ethiopia
- Crocicidura picea*
CR ⁹⁶ B1+2c
Cameroon
- Crocicidura pitmani*
VU ⁹⁶ B1+2c
Zambia
- Crocicidura polia*
CR ⁹⁶ B1+2c
Zaire
- Crocicidura raineyi*
CR ⁹⁶ B1+2c
Kenya
- Crocicidura selina*
EN ⁹⁶ B1+2c
Uganda
- Crocicidura stenocephala*
VU ⁹⁶ B1+2c
Zaire
- Crocicidura susiana*
EN ⁹⁶ B1+2c
Iran
- Crocicidura tansaniana*
VU ⁹⁶ B1+2c
Tanzania
- Crocicidura telfordi*
CR ⁹⁶ B1+2c
Tanzania
- Crocicidura tenuis*
VU ⁹⁶ B1+2c
Indonesia
- Crocicidura thomensis*
VU ⁶⁰ B1+2c
São Tomé & Príncipe (São Tomé)
- Crocicidura ultima*
CR ⁹⁶ B1+2c
Kenya
- Crocicidura usambarae*
VU ⁹⁶ B1+2c
Tanzania
- Crocicidura wimmeri*
EN ⁹⁶ B1+2c
Côte d'Ivoire
- Crocicidura xantippe*
VU ⁹⁶ B1+2c
Kenya, Tanzania
- Crocicidura zimmeri*
VU ⁹⁶ B1+2c
Zaire
- Crocicidura zimmermanni*
VU ⁹⁶ B1+2c
Greece
- Cryptotis endersi*
EN ¹⁵ B1+3d
Panama
- Cryptotis gracilis*
VU ¹⁵ B1+2c
Costa Rica, Panama
- Cryptotis hondurensis*
VU ¹⁵ B1+2c
Honduras
- Feroculus feroculus*
Kelaart's Long-clawed Shrew
EN ⁹⁶ B1+2c
Sri Lanka
- Myosorex blarina*
VU ⁹⁶ B1+2c
Uganda, Zaire
- Myosorex eisentrauti*
EN ⁹⁶ B1+2c
Equatorial Guinea (Bioko)
- Myosorex geata*
EN ⁹⁶ B1+2c
Tanzania
- Myosorex longicaudatus*
Long-tailed Forest Shrew
VU ⁹⁶ B1+2c
South Africa
- Myosorex okuensis*
VU ⁹⁶ B1+2c
Cameroon
- Myosorex rumpii*
CR ⁹⁶ B1+2c
Cameroon
- Myosorex schalleri*
CR ⁹⁶ B1+2c
Zaire
- Myosorex sclateri*
VU ⁹⁶ B1+2c
South Africa
- Myosorex tenuis*
VU ⁹⁶ B1+2c
Mozambique?, South Africa
- Paracrocicidura graueri*
CR ⁹⁶ B1+2c
Zaire
- Ruwenzorisorex suncoides*
VU ⁹⁶ B1+2c
Burundi, Uganda, Zaire
- Solisorex pearsoni*
Pearson's Long-clawed Shrew
EN ⁹⁶ B1+2c
Sri Lanka
- Sorex arizonae*
VU ⁷² D2
Mexico, USA
- Sorex cansulus*
Gansu Shrew
CR ⁹⁶ B1+2c
China
- Sorex cylindricauda*
Greater Stripe-backed Shrew
EN ⁹⁶ B1+2c
China
- Sorex hosonoi*
Azumi Shrew
VU ⁹⁶ B1+2c
Japan
- Sorex hydrodromus*
Pribilof Shrew
EN ⁹⁶ B1+3d
USA
- Sorex jacksoni*
St Lawrence Shrew
EN ⁹⁶ B1+3d
USA
- Sorex kozlovi*
Kozlov's Shrew
CR ⁹⁶ B1+2c
China
[R. Dze-Chyu]
- Sorex leucogaster*
Paramushir Shrew
VU ⁹⁶ B1+2c
Russia
- Sorex milleri*
VU ⁷² D2
Mexico
- Sorex sadonis*
Sado Shrew
EN ⁹⁶ B1+2c
Japan
- Sorex sclateri*
EN ¹⁵ B1+3d
Mexico

- Sorex sinalis*
Dusky Shrew
VU ⁹⁶ B1+2c
China
- Sorex stizodon*
EN ¹⁵ B1+3d
Mexico
- Soriculus salenskii*
Salenski's Shrew
CR ⁹⁶ B1+2c
China
- Sudisorex norae*
VU ⁹⁶ B1+2c
Kenya
- Sudisorex polulus*
VU ⁹⁶ B1+2c
Kenya
- Suncus ater*
Black Shrew
CR ⁹⁶ B1+2c
Malaysia
- Suncus dayi*
EN ⁹⁶ B1+2c
India
- Suncus fellowsgordoni*
EN ⁹⁶ B1+2c
Sri Lanka
- Suncus hosei*
VU ⁹⁶ B1+2c
Malaysia
- Suncus mertensi*
Flores Shrew
CR ⁹⁶ B1+2c
Indonesia
- Suncus montanus*
VU ⁹⁶ B1+2c
India, Sri Lanka
- Suncus remyi*
Gabon Dwarf Shrew
CR ⁹⁶ B1+2c
Gabon
- Suncus zeylanicus*
EN ⁹⁶ B1+2c
Sri Lanka
- Sylvisorex howelli*
VU ⁹⁶ B1+2c
Tanzania
- Sylvisorex isabella*
VU ⁹⁶ B1+2c
Cameroon, Equatorial Guinea
(Bioko)
- Sylvisorex morio*
EN ⁹⁶ B1+2c
Cameroon
- Sylvisorex oriundus*
VU ⁹⁶ B1+2c
Zaire
- Family TALPIDAE
- Desmana moschata*
Russian Desman
VU ⁹⁶ B1+2c
Belarus, Kazakhstan, Russia, Ukraine
- Euroscaptor mizura*
Japanese Mountain Mole
VU ⁹⁶ B1+2c
Japan
- Euroscaptor parvidens*
CR ⁹⁶ B1+2c
Viet Nam
- Galemys pyrenaicus*
Pyrenean Desman
VU ⁹⁶ B1+2c
France, Portugal, Spain
- Mogera etigo*
EN ⁹⁶ B1+2c
Japan
- Mogera tokudae*
Sado Mole
EN ⁹⁶ B1+2c
Japan
- Neoscaptor uchidai*
Ryukyu Mole
EN ⁹⁶ B1+2c
Japan
- Talpa streeti*
Persian Mole
CR ⁹⁶ B1+2c
Iran
- Uropsilus investigator*
EN ⁹⁶ B1+2c
China
- Uropsilus soricipes*
Chinese Shrew-Mole
EN ⁹⁶ B1+2c
China
- Order SCANDENTIA
- Family TUPAIIDAE
- Dendrogale melanura*
Bornean Smooth-tailed Tree Shrew
VU ⁹⁶ B1+2c
Malaysia
- Tupaia chrysogaster*
Golden-bellied Tree Shrew
VU ⁹⁶ B1+2c
Indonesia
- Tupaia longipes*
Bornean Tree Shrew
EN ⁹⁶ B1+2c
Indonesia
- Tupaia nicobarica*
Nicobar Tree Shrew
EN ⁹⁶ B1+2c
India (Andaman & Nicobar Is)
- Tupaia palawanensis*
Palawan Tree Shrew
VU ⁹⁶ B1+2c
Philippines
- Urogale everetti*
Philippine Tree Shrew
VU ⁹⁶ B1+2c
Philippines
- Order DERMOPTERA
- Family CYNOCEPHALIDAE
- Cynocephalus volans*
Flying Lemur
VU ¹¹² A1c+2c
Philippines
- Order CHIROPTERA
- Family PTEROPODIDAE
- Acerodon humilis*
Talaud Fruit Bat
VU ⁴² A2c, D2
Indonesia
- Acerodon jubatus*
Golden-capped Fruit Bat
EN ⁴² A1cd
Philippines
- Acerodon leucotis*
VU ⁴² A2c
Philippines
- Alionycteris paucidentata*
VU ⁴² B1+2c
Philippines
- Aproteles bulmerae*
Bulmer's Fruit Bat
CR ⁴² B1+2c
Papua New Guinea
- Dobsonia beauforti*
EN ⁴² B1+2c
Indonesia
- Dobsonia emersa*
VU ⁴² D2
Indonesia
- Dobsonia peronii*
Western Naked-backed Fruit Bat
VU ⁴² A1c
Indonesia
- Epomophorus grandis*
Lesser Angolan Epauletted Fruit Bat
EN ⁴² B1+2c
Angola, Congo
- Epomops buettikoferi*
Buettikofer's Epauletted Fruit Bat
VU ⁴² A2c
Côte d'Ivoire, Ghana, Guinea,
Liberia, Nigeria, Sierra Leone



Haplonycteris fischeri
Fischer's Pygmy Fruit Bat
VU⁴² A1c
Philippines

Latidens salimalii
CR⁴² B1+2c, D1
India

Megaerops kusnotoi
Javan Tail-less Fruit Bat
VU⁴² D2
Indonesia

Melonycteris aurantius
Orange Fruit Bat
VU⁴² A2c, D2
Solomon Islands

Melonycteris fardoulisi
VU⁴² A2c
Solomon Islands

Micropteropus intermedius
Hayman's Epauletted Fruit Bat
VU⁴² D2
Angola, Zaire

Myonycteris brachycephala
São Tomé Collared Fruit Bat
VU⁴² B1+2c
São Tomé & Príncipe (São Tomé)

Myonycteris relicta
East African Collared Fruit Bat
VU⁴² A2c
Kenya, Tanzania

Neopteryx frosti
Small-toothed Fruit Bat
VU⁴² A2cd
Indonesia

Notopteris macdonaldii
Long-tailed Fruit Bat
VU⁴² A2d
Fiji, New Caledonia, Vanuatu

Nyctimene celaeno
VU⁴² B1+2c
Indonesia

Nyctimene draconilla
VU⁴² B1+2c
Indonesia, Papua New Guinea

Nyctimene malaitensis
Malaita Tube-nosed Bat
VU⁴² D2
Solomon Islands

Nyctimene masalai
VU⁴² D2
Papua New Guinea

Nyctimene minutus
Lesser Tube-nosed Bat
VU⁴² D2
Indonesia

Nyctimene rabori
Philippines Tube-nosed Fruit Bat
CR⁴² A2c
Philippines

Otopteropus cartilagonodus
VU⁴² A2c
Philippines

Plerotes anchietae
d'Anchieta's Fruit Bat
VU⁴² A2c
Angola, Zaire, Zambia

Pteralopex acrodonta
CR⁴² A1c, B1+2c
Fiji

Pteralopex anceps
CR⁴² A1c
Papua New Guinea, Solomon Islands

Pteralopex atrata
Cusp-toothed Fruit Bat
CR⁴² A1c
Solomon Islands

Pteralopex pulchra
CR⁴² A1c
Solomon Islands

Pteropus dasymallus
Ryukyu Flying-fox
EN⁴² A1ce
Japan (Nansei-shoto), Taiwan (ex)

Pteropus faunulus
VU⁴² B1+2c
India (Andaman & Nicobar Is)

Pteropus fundatus
VU⁴² B1+2c
Vanuatu

Pteropus gilliardi
Gilliard's Flying-fox
VU⁴² D2
Papua New Guinea

Pteropus howensis
VU⁴² B1+2c
Solomon Islands

Pteropus insularis
Chuuk Flying-fox
CR⁴² A1cd
Federated States of Micronesia

Pteropus leucopterus
EN⁴² A2c
Philippines

Pteropus livingstonii
Comoro Black Flying-fox
CR⁴² A1c+2cd, B1+2c, C2a
Comoros

Pteropus mahaganus
Lesser Flying-fox
VU⁴² B1+2c
Papua New Guinea, Solomon Islands

Pteropus mariannus
Marianas Flying-fox
EN⁴² A1cd+2cde
Federated States of Micronesia,
Guam, Japan (Nansei-shoto),
Northern Marianas, Palau

Pteropus molossinus
Pohnpei Flying-fox
CR⁴² B1+2ce
Federated States of Micronesia

Pteropus niger
Greater Mascarene Flying-fox
VU⁴² A1d+2cd
Mauritius

Pteropus nitendiensis
VU⁴² D2
Solomon Islands

Pteropus ocularis
Seram Fruit Bat
VU⁴² D2
Indonesia

Pteropus ornatus
VU⁴² A2c
New Caledonia

Pteropus phaeocephalus
Mortlock Islands Flying-fox
CR⁴² B1+2e
Federated States of Micronesia

Pteropus pohlei
Geelvink Bay Fruit Bat
VU⁴² B1+2c
Indonesia

Pteropus pselaphon
Bonin Fruit Bat
VU⁴² C1
Japan (Kazan-retto,
Ogasawara-gunto)

Pteropus pumilus
Little Golden-mantled Flying-fox
VU⁴² A2c
Indonesia, Philippines

Pteropus rodricensis
Rodrigues Flying-fox
CR⁴² B1+3d
Mauritius (Rodrigues)

Pteropus samoensis
Samoa Flying-fox
VU⁴² A1d+2d
American Samoa, Fiji, Western
Samoa

Pteropus sanctacrucis
VU⁴² B1+2c
Solomon Islands

Pteropus speciosus
VU⁴² A2cd
Indonesia, Philippines

Pteropus tuberculatus

VU ⁴² B1+2c
Solomon Islands

Pteropus voeltzkowi

Pemba Flying-fox
CR ⁴² C2a
Tanzania

Rousettus madagascariensis

Madagascar Roussette
VU ⁴² D2
Madagascar

Rousettus spinalatus

VU ⁴² C2a
Indonesia, Malaysia

Syconycteris carolinae

VU ⁴² B1+2c
Indonesia

Syconycteris hobbit

Moss-forest Blossom Bat
VU ⁴² B1+2c
Papua New Guinea

Family RHINOPOMATIDAE

Rhinopoma hadithaensis

VU ⁴² B1+2c, D2
Iraq

Rhinopoma macinnesi

VU ⁴² A2c, D2
Ethiopia, Kenya, Somalia

Family CRASEONYCTERIDAE

Craseonycteris thonglongyai

Kitti's Hog-nosed Bat
EN ⁴² B1+2c, C2b
Thailand

Family EMBALLONURIDAE

Balantiopteryx infusca

EN ⁴² B1+2c
Ecuador

Coleura seychellensis

Seychelles Sheath-tailed Bat
CR ⁴² B1+2cde, C2b, D1
Seychelles

Diclidurus ingens

VU ⁴² A2c
Brazil, Colombia, Guyana, Venezuela

Emballonura atrata

VU ⁴² A2c
Madagascar

Emballonura dianoae

VU ⁴² A2c
Papua New Guinea, Solomon Islands

Emballonura furax

Greater Sheath-tailed Bat
VU ⁴² A2c, D2
Papua New Guinea

Emballonura semicaudata

EN ⁴² A2c
American Samoa, Federated States of Micronesia, Fiji, Palau, Western Samoa

Saccolaimus mixtus

VU ⁴² A2c
Australia, Papua New Guinea

Taphozous achates

VU ⁴² D2
Indonesia

Taphozous hamiltoni

VU ⁴² A2c
Chad, Kenya, Sudan

Taphozous hildergerdeae

VU ⁴² A2c
Kenya, Tanzania

Taphozous kapalgensis

VU ⁴² A2c
Australia

Taphozous troungtoni

CR ⁴² A1ac, B1+2abcde, D1
Australia

Family NYCTERIDAE

Nycteris javanica

VU ⁴² A1c
Indonesia

Nycteris major

VU ⁴² A2c, D2
Benin, Cameroon, Congo, Gabon, Zaire

Nycteris vinsoni

CR ⁴² B1+2c
Mozambique

Family MEGADERMATIDAE

Macroderma gigas

Ghost Bat
VU ⁴² A2c
Australia

Family RHINOLOPHIDAE

Anthops ornatus

VU ⁴² A2c, D2
Solomon Islands

Asellia patrizii

VU ⁴² A2c, D2
Eritrea, Ethiopia

Hipposideros breviceps

VU ⁴² D2
Indonesia

Hipposideros corynophyllus

VU ⁴² A2c, D2
Indonesia, Papua New Guinea

Hipposideros coxi

VU ⁴² D2
Malaysia

Hipposideros demissus

VU ⁴² A2c, D2
Solomon Islands

Hipposideros durgadasi

VU ⁴² B1+2c, D2
India

Hipposideros inexpectatus

VU ⁴² A2c
Indonesia

Hipposideros marisae

VU ⁴² A2c
Côte d'Ivoire, Guinea, Liberia

Hipposideros muscinus

VU ⁴² D2
Papua New Guinea

Hipposideros nequam

CR ⁴² B1+2c
Malaysia

Hipposideros papua

Geelvinck Bay Leaf-nosed Bat
VU ⁴² A2c
Indonesia

Hipposideros ridleyi

Ridley's Leaf-nosed Bat
VU ⁴² B1+2c
Malaysia, Singapore

Hipposideros turpis

EN ⁴² A2c
Japan (Nansei-shoto), Thailand

Paracoelops megalotis

CR ⁴² B1+2c
Viet Nam

Rhinolophus capensis

VU ⁴² A2c, D2
Mozambique, South Africa, Zimbabwe

Rhinolophus cognatus

VU ⁴² A2c, D2
India (Andaman & Nicobar Is)

Rhinolophus euryale

VU ⁴² A2c
Algeria, Azerbaijan, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Egypt, France, Georgia, Greece, Hungary, Iran, Israel, Italy, Macedonia, Morocco, Portugal, Romania, Slovakia, Slovenia, Spain, Tunisia, Turkey, Turkmenistan, Ukraine, Yugoslavia

Rhinolophus hipposideros

VU ⁴² A2c
Albania, Austria, Azerbaijan, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Egypt, Eritrea, Ethiopia, France, Georgia, Germany, Greece, Hungary, India, Iran, Ireland, Israel, Italy, Jordan, Lebanon, Luxembourg, Macedonia, Morocco, Poland,



- Portugal, Romania, Saudi Arabia, Slovakia, Slovenia, Spain, Sudan, Switzerland, Turkey, Turkmenistan, United Kingdom, Yugoslavia
- Rhinolophus imaizumii***
 EN⁴² A2c, B1+2abcde
 Japan (Nansei-shoto)
- Rhinolophus keyensis***
 EN⁴² C2a
 Indonesia
- Rhinolophus mehelyi***
 VU⁴² A2c
 Afghanistan, Algeria, Azerbaijan, Bosnia and Herzegovina, Bulgaria, Croatia, Egypt, France, Greece, Iran, Iraq, Israel, Italy, Libya, Macedonia, Morocco, Portugal, Romania, Slovenia, Spain, Tunisia, Turkey, Yugoslavia
- Rhinolophus paradoxolophus***
 VU⁴² B1+2c
 Thailand, Viet Nam
- Rhinolophus rex***
 VU⁴² B1+2c
 China
- Rhinolophus subrufus***
 VU⁴² A2c
 Philippines
- Rhinonictis aurantia***
 Orange Leaf-nosed Bat
 VU⁴² A1c
 Australia
- Triaenops furculus***
 VU⁴² A2c
 Madagascar
- Family **MORMOOPIDAE**
- Pteronotus macleayi***
 VU⁴² A2c
 Cuba, Jamaica
- Family **PHYLLOSTOMIDAE**
- Arctus flavescens***
 VU⁴² A2c, D2
 Jamaica
- Artibeus fraterculus***
 VU⁴² A2c
 Ecuador, Peru
- Artibeus hirsutus***
 VU⁴² A2cd
 Mexico
- Chiroderma doriae***
 VU⁴² A2c, D2
 Brazil
- Chiroderma improvisum***
 EN⁴² A2c, B1+2c
 Guadeloupe, Montserrat
- Choeroniciscus periosus***
 VU⁴² D2
 Colombia, Ecuador
- Leptonycteris curasoae***
 VU⁴² A1cd
 Aruba, Colombia, El Salvador, Guatemala, Mexico, Netherlands Antilles, USA, Venezuela
- Leptonycteris nivalis***
 Big Long-nosed Bat
 EN⁴² A1cd
 Guatemala?, Mexico, USA
- Lonchophylla bokermanni***
 VU⁴² A2c
 Brazil
- Lonchophylla dekeyseri***
 VU⁴² A2c
 Brazil
- Lonchophylla handleyi***
 VU⁴² A2c, D2
 Colombia, Ecuador, Peru
- Lonchophylla hesperia***
 VU⁴² A2c, D2
 Ecuador, Peru
- Lonchorhina fernandezi***
 VU⁴² A2c
 Venezuela
- Lonchorhina marinkellei***
 VU⁴² A2c
 Colombia
- Macrotus californicus***
 VU⁴² A2c
 Mexico, USA
- Micronycteris behnii***
 VU⁴² A2c
 Brazil, Peru
- Micronycteris pusilla***
 VU⁴² A2c
 Brazil, Colombia
- Musonycteris harrisoni***
 VU⁴² A2c
 Mexico
- Phyllonycteris aphylla***
 Jamaican Flower Bat
 EN⁴² B1+2c
 Jamaica
- Platalina genovensium***
 VU⁴² D2
 Peru
- Platyrrhinus chocoensis***
 VU⁴² A2c, D2
 Colombia
- Platyrrhinus recifinus***
 VU⁴² A2c, D2
 Brazil
- Scleronycteris ega***
 VU⁴² A2c, D2
 Brazil, Venezuela
- Stenoderma rufum***
 VU⁴² A1cd
 Puerto Rico, Virgin Islands (British)
- Sturnira nana***
 VU⁴² D2
 Peru
- Sturnira thomasi***
 EN⁴² B1+2c
 Guadeloupe
- Tonatia carrikeri***
 VU⁴² A2c
 Bolivia, Brazil, Colombia, Peru, Suriname, Venezuela
- Tonatia schulzi***
 VU⁴² A2c
 Brazil, French Guiana, Suriname
- Vampyressa brockii***
 VU⁴² D2
 Colombia, Guyana, Peru, Suriname
- Family **NATALIDAE**
- Natalus tumidifrons***
 VU⁴² D2
 Bahamas
- Family **FURIPTERIDAE**
- Amorphochilus schnablii***
 VU⁴² A2c
 Chile, Ecuador (Galápagos Is), Peru
- Family **THYROPTERIDAE**
- Thyroptera lavalii***
 VU⁴² B1+2c, D2
 Peru
- Family **MYZOPODIDAE**
- Myzopoda aurita***
 Sucker-footed Bat
 VU⁴² A2c
 Madagascar
- Family **VESPERTILIONIDAE**
- Antrozous dubiaquercus***
 VU⁴² A2c, D2
 Belize, Costa Rica, Honduras, Mexico
- Barbastella barbastellus***
 VU⁴² A2c
 Austria, Azerbaijan, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, France, Georgia, Germany, Hungary, Italy, Latvia, Lithuania, Luxembourg, Macedonia, Moldova, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Senegal?, Slovakia, Slovenia, Spain

- (Canary Is), Sweden, Switzerland, Turkey, Ukraine, United Kingdom, Yugoslavia
- Chalinolobus alboguttatus***
VU ⁴² D2
Cameroon, Zaire
- Chalinolobus dwyeri***
VU ⁴² A2c
Australia
- Chalinolobus neocaledonicus***
EN ⁴² B1+2c
New Caledonia
- Chalinolobus superbus***
VU ⁴² D2
Côte d'Ivoire, Ghana, Zaire
- Eptesicus demissus***
VU ⁴² A2c
Thailand
- Eptesicus guadaloupensis***
EN ⁴² B1+2c
Guadeloupe
- Eptesicus innoxius***
VU ⁴² A2c
Ecuador (Galápagos Is), Peru
- Eptesicus nasutus***
VU ⁴² A2c
Afghanistan, Iran, Iraq, Oman, Pakistan, Saudi Arabia, Yemen
- Eptesicus platyops***
VU ⁴² D2
Equatorial Guinea, Nigeria, Senegal
- Hesperoptenus doriae***
EN ⁴² B1+2c
Malaysia
- Hesperoptenus gaskelli***
VU ⁴² B1+2c
Indonesia
- Histiotus alienus***
VU ⁴² A2c
Brazil, Uruguay
- Kerivoula agnella***
VU ⁴² D2
Papua New Guinea
- Kerivoula eriophora***
VU ⁴² D2
Ethiopia
- Kerivoula muscina***
VU ⁴² D2
Papua New Guinea
- Kerivoula myrella***
VU ⁴² A2c
Indonesia, Papua New Guinea
- Laephotis namibensis***
EN ⁴² A2c
Namibia
- Lasiurus castaneus***
VU ⁴² D2
Costa Rica, French Guiana, Panama
- Lasiurus eburnus***
VU ⁴² B1+2c, D2
Brazil
- Miniopterus fuscus***
VU ⁴² A2c
Japan (Nansei-shoto)
- Miniopterus robustior***
EN ⁴² B1+2c
New Caledonia
- Murina grisea***
EN ⁴² B1+2c
India
- Murina puta***
VU ⁴² A2c
Taiwan
- Murina ussuriensis***
EN ⁴² A2c
North Korea, Russia, South Korea
- Myotis aelleni***
VU ⁴² A2c, D2
Argentina
- Myotis atacamensis***
VU ⁴² A2c, D2
Chile, Peru
- Myotis bechsteini***
VU ⁴² A2c
Austria, Azerbaijan, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Hungary, Iran, Italy, Macedonia, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom, Yugoslavia
- Myotis capaccinii***
Long-fingered Bat
VU ⁴² A2c
Algeria, Bosnia and Herzegovina, Bulgaria, Croatia, France, Greece, Iran, Iraq, Israel, Italy, Jordan, Lebanon, Macedonia, Morocco, Romania, Slovenia, Spain, Tunisia, Turkey, Uzbekistan, Yugoslavia
- Myotis cobanensis***
CR ⁴² B1+2c
Guatemala
- Myotis dasycneme***
Pond Bat
VU ⁴² A2c
Austria, Belarus, Belgium, China, Czech Republic, Denmark, Estonia, France, Germany, Hungary, Kazakhstan, Latvia, Lithuania, Luxembourg, Netherlands, Poland, Russia, Slovakia, Sweden, Switzerland, Ukraine
- Myotis dominicensis***
VU ⁴² A2c, D2
Dominica, Guadeloupe
- Myotis emarginatus***
VU ⁴² A2c
Afghanistan, Algeria, Austria, Azerbaijan, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Georgia, Germany, Greece, Hungary, Iran, Israel, Italy, Jordan, Kazakhstan, Lebanon, Macedonia, Morocco, Netherlands, Oman, Poland, Portugal, Romania, Saudi Arabia, Slovakia, Slovenia, Spain, Switzerland, Tunisia, Turkey, Turkmenistan, Uzbekistan, Yugoslavia
- Myotis findleyi***
EN ⁴² B1+2c
Mexico
- Myotis grisescens***
Grey Bat
EN ⁴² A1c
USA
- Myotis leseuri***
VU ⁴² A2c, D2
South Africa
- Myotis morrisi***
VU ⁴² D2
Ethiopia, Nigeria, Zaire
- Myotis peninsularis***
VU ⁴² A1cd
Mexico
- Myotis pruinus***
EN ⁴² B1+2c
Japan
- Myotis ruber***
VU ⁴² A2c
Argentina, Brazil, Paraguay
- Myotis scotti***
VU ⁴² A2c, D2
Ethiopia
- Myotis seabrai***
VU ⁴² A2c, D2
Angola, Namibia, South Africa
- Myotis sicarius***
VU ⁴² A2c, D2
India, Nepal
- Myotis sodalis***
Indiana Bat
EN ⁴² A1c
USA
- Myotis starkeri***
EN ⁴² B1+2c
Indonesia



- Myotis vivesi*
VU ⁴² A2c
Mexico
- Myotis yesoensis*
VU ⁴² A2c
Japan
- Nyctalus azoreum*
VU ⁴² A2c, B1+2c, D2
Portugal (Azores)
- Nyctophilus heran*
EN ⁴² B1+2c
Indonesia
- Nyctophilus micradon*
VU ⁴² D2
Papua New Guinea
- Nyctophilus timoriensis*
VU ⁴² A2c
Australia, Indonesia, Papua New Guinea
- Pharotis imogene*
CR ⁴² B1+2c, C2b
Papua New Guinea
- Pipistrellus anchietai*
VU ⁴² A2c
Angola, Zaire, Zambia
- Pipistrellus anthonyi*
CR ⁴² B1+2c
Myanmar
- Pipistrellus arabicus*
VU ⁴² D2
Oman
- Pipistrellus cuprosus*
VU ⁴² A2c
Malaysia
- Pipistrellus joffrei*
CR ⁴² B1+2c
Myanmar
- Pipistrellus maderensis*
VU ⁴² A2c, B1+2c
Portugal (Madeira), Spain (Canary Is)
- Pipistrellus mckenziei*
VU ⁴² A2c
Australia
- Pipistrellus sturdeeii*
EN ⁴² B1+2c
Japan (Ogasawara-gunto)
- Plecotus rafinesquii*
VU ⁴² A2c
USA
- Plecotus taiwanus*
VU ⁴² A2c
Taiwan
- Plecotus teneriffae*
VU ⁴² A2c, D2
Spain (Canary Is)
- Plecotus townsendii*
Townsend's Big-eared Bat
VU ⁴² A2c
Canada, Mexico, USA
- Scotophilus borbonicus*
CR ⁴² A1c
Madagascar, Réunion
- Tomopeas ravus*
VU ⁴² A2c, D2
Peru
- Vespertilio orientalis*
VU ⁴² A2c, D2
China, Japan, Taiwan
- Family MYSTACINIDAE
- Mystacina tuberculata*
New Zealand Lesser Short-tailed Bat
VU ⁴² A2c, C2a
New Zealand
- Family MOLOSSIDAE
- Chaerephon gallagheri*
CR ⁴² B1+2c
Zaire
- Chaerephon pusilla*
VU ⁴² D1+2
Seychelles
- Chaerephon tomensis*
VU ⁴² A2c, D2
São Tomé & Príncipe
- Eumops maurus*
VU ⁴² A2c, D2
Guyana, Suriname
- Malossops aequatorianus*
VU ⁴² A2c, D2
Ecuador
- Molossops neglectus*
EN ⁴² B1+2c
Brazil, Peru, Suriname, Venezuela
- Mops niangarae*
CR ⁴² B1+2c
Zaire
- Mormopterus acetabulosus*
VU ⁴² B1+2c
Ethiopia, Madagascar, Mauritius, Réunion, South Africa
- Mormopterus doriae*
VU ⁴² A2c
Indonesia
- Mormopterus jugularis*
VU ⁴² A2c
Madagascar
- Mormopterus kalinowskii*
VU ⁴² A2c, D2
Chile, Peru
- Mormopterus minutus*
VU ⁴² A2c
Cuba
- Marmopterus phrudus*
EN ⁴² B1+2c
Peru
- Otomops formosus*
Javan Mastiff Bat
VU ⁴² A2c
Indonesia
- Otomops johnstonei*
VU ⁴² D2
Indonesia
- Otomops martiensseni*
VU ⁴² A2c
Angola, Djibouti, Ethiopia, Kenya, Madagascar, Rwanda, South Africa, Sudan, Tanzania, Uganda, Zaire, Zambia, Zimbabwe
- Otomops papuensis*
VU ⁴² D2
Papua New Guinea
- Otomops secundus*
VU ⁴² D2
Papua New Guinea
- Otomops wroughtoni*
Wroughton's Free-tailed Bat
CR ⁴² B1+2c
India
- Tadarida lobata*
VU ⁴² D2
Kenya, Zimbabwe
- Order PRIMATES
- Family CHEIROGALEIDAE
- Allocebus trichotis*
Hairy-eared Dwarf Lemur
CR ¹⁴³ A1c, B1+2abc
Madagascar
- Microcebus myaxinus*
VU ¹⁴³ B1+2abc
Madagascar
- Mirza coquereli*
Coquerel's Mouse-lemur
VU ¹⁴³ A2cd, B1+2abc
Madagascar
- Family LEMURIDAE
- Eulemur coronatus*
Crowned Lemur
VU ¹⁴³ A1cd, B1+2bc
Madagascar
- Eulemur macaco*
Black Lemur
VU ¹⁵ A1cd
Madagascar
- Eulemur mongoz*
Mongoose Lemur
VU ¹⁴³ A1c, C2a
Comoros, Madagascar

Eulemur rubriventer

Red-bellied Lemur
VU¹⁴³ A2c
 Madagascar

Hapalemur aureus

Golden Bamboo Lemur
CR¹⁵ A2cd
 Madagascar

Hapalemur simus

Broad-nosed Gentle Lemur
CR¹⁴³ A2cd
 Madagascar

Lemur catta

Ring-tailed Lemur
VU¹⁴³ A1c
 Madagascar

Varecia variegata

Ruffed Lemur
EN¹⁵ A1cd
 Madagascar

Family MEGALADAPIDAE

Lepilemur dorsalis

Grey-backed Sportive Lemur
VU¹⁴³ A2cd, B1+2c
 Madagascar

Lepilemur septentrionalis

Northern Sportive Lemur
VU¹⁴³ A2cd
 Madagascar

Family INDRIDAE

Avahi occidentalis

VU¹⁴³ A2cd
 Madagascar

Indri indri

Indri
EN¹⁴³ A1c+2c
 Madagascar

Propithecus diadema

Diademmed Sifaka
EN¹⁵ A1cd
 Madagascar

Propithecus tattersalli

Golden-crowned Sifaka
CR¹⁴³ A2c, B1+2bcd
 Madagascar

Propithecus verreauxi

Verreaux's Sifaka
VU¹⁵ A2cd
 Madagascar

Family DAUBENTONIIDAE

Daubentonia madagascariensis

Aye-aye
EN¹⁴³ A2cd, C2a
 Madagascar

Family LORIDAE

Loris tardigradus

Slender Loris
VU¹⁴³ A1cd
 India, Sri Lanka

Nycticebus pygmaeus

Pygmy Loris
VU¹⁴³ A1cd
 Cambodia?, China, Laos, Viet Nam

Family CALLITRICHIDAE

Callimico goeldii

Goeldi's Marmoset
VU¹⁴³ A1c
 Bolivia, Brazil, Colombia, Peru

Callithrix aurita

Buffy-tufted-ear Marmoset
EN¹⁴³ B1+2abcde, C2a
 Brazil

Callithrix chrysoleuca

Golden-white Tassel-ear Marmoset
VU¹⁴³ B1+2c
 Brazil

Callithrix flaviceps

Buffy-headed Marmoset
EN¹⁴³ B1+2abcde, C2a
 Brazil

Callithrix geoffroyi

Geoffroy's Tufted-ear Marmoset
VU¹⁴³ B1+2b, C2a
 Brazil

Callithrix leucippe

VU¹⁴³ B1+2c
 Brazil

Callithrix nigriceps

Black-headed Marmoset
VU¹⁴³ B1+2c
 Brazil

Leontopithecus caissara

Black-faced Lion Tamarin
CR¹⁴³ B1+2abcde, C2a, D1
 Brazil

Leontopithecus chrysomelas

Golden-headed Lion Tamarin
EN¹⁴³ B1+2abcde, C2a
 Brazil

Leontopithecus chrysopygus

Golden-rumped Lion Tamarin
CR¹⁴³ B1+2abcde, C2a
 Brazil

Leontopithecus rosalia

Golden Lion Tamarin
CR¹⁴³ B1+2abcde, C2a
 Brazil

Saguinus leucopus

White-footed Tamarin
VU¹⁴³ A1c, B1+2c, C2a
 Colombia

Saguinus oedipus

Cotton-top Tamarin
EN¹⁴³ B1+2abcde, C2a
 Colombia

Family CEBIDAE

Alouatta fusca

Brown Howler
VU¹⁴³ A1c
 Argentina, Brazil

Aotus brumbacki

Brumback's Night Monkey
VU¹⁴³ B1+2c
 Colombia

Aotus lemurinus

VU¹⁴³ B1+2c
 Colombia, Costa Rica, Panama

Aotus miconax

Andean Night Monkey
VU¹⁴³ A1c, B1+2c
 Peru

Ateles belzebuth

Long-haired Spider Monkey
VU¹⁴³ A1c
 Brazil, Colombia, Ecuador, Peru,
 Venezuela

Ateles fusciceps

Brown-headed Spider Monkey
VU¹⁴³ A1c, B1+2abcde
 Colombia, Ecuador, Panama

Ateles marginatus

EN¹⁴³ B1+2abcde
 Brazil

Brachyteles arachnoides

Muriqui
EN¹⁴³ B1+2abcde, C2a
 Brazil

Brachyteles hypoxanthus

EN¹⁴³ B1+2abcde, C2a
 Brazil

Cacajao calvus

Bald Uakari
VU¹⁴³ A1c
 Brazil, Colombia, Peru

Callicebus dubius

VU¹⁴³ B1+2c
 Brazil

Callicebus oenanthe

Andean Titi Monkey
VU¹⁴³ B1+2c
 Peru

Callicebus personatus

Masked Titi
VU¹⁴³ A1c
 Brazil

***Cebus kaapori***

Ka'apor Capuchin Monkey

VU ¹⁴³ A1c, B1+2c

Brazil

Cebus xanthosternosCR ¹⁴³ B1+2abcde, C2a

Brazil

Lagothrix flavicauda

Yellow-tailed Woolly Monkey

CR ¹⁴³ B1+2abcde, C2a

Peru

Saimiri oerstedii

Central American Squirrel Monkey

EN ¹⁴³ B1+2abcde, C2a

Costa Rica, Panama

Saimiri vanzolinii

Blackish Squirrel Monkey

VU ¹⁴³ B1+2c, C2a

Brazil

Family **CERCOPITHECIDAE*****Cercopithecus diana***

Diana Monkey

VU ¹⁴³ A1c+2cCôte d'Ivoire, Ghana, Guinea,
Liberia, Sierra Leone***Cercopithecus erythrogaster***

White-throated Monkey

VU ¹⁴³ A1c

Benin, Nigeria

Cercopithecus erythrotis

Red-eared Guenon

VU ¹⁴³ A1cCameroon, Equatorial Guinea,
Nigeria***Cercopithecus preussi***

Preuss's Monkey

EN ¹⁴³ A1cd+2cCameroon, Equatorial Guinea,
Nigeria***Cercopithecus sclateri***

Sclater's Guenon

EN ¹⁴³ B1+2c

Nigeria

Cercopithecus solatus

Sun-tailed Monkey

VU ¹⁴³ B1+2a, C1

Gabon

Colobus satanas

Black Colobus

VU ¹⁴³ A1cCameroon, Congo, Equatorial
Guinea, Gabon***Colobus vellerosus***White-thighed Black-and-white
ColobusVU ¹⁴³ A1c+2cBenin, Côte d'Ivoire, Ghana,
Nigeria, Togo***Macaca arctoides***

Stumptail Macaque

VU ¹⁴³ A1cdBangladesh, Cambodia, China, India,
Laos, Malaysia, Myanmar, Thailand,
Viet Nam***Macaca assamensis***

Assamese Macaque

VU ¹⁴³ A1cdBhutan, China, India, Laos,
Myanmar, Nepal, Thailand, Viet Nam***Macaca brunnescens***

Muna-butan Macaque

VU ¹⁴³ C1

Indonesia

Macaca cyclopis

Taiwan Macaque

VU ¹⁴³ A1cd

Japan [int], Taiwan

Macaca fuscata

Japanese Macaque

EN ¹⁴³ A2cd

Japan

Macaca maura

Moor Macaque

EN ¹⁴³ A1cd

Indonesia

Macaca nemestrina

Pig-tailed Macaque

VU ¹⁴³ A1cdBrunei?, China, Indonesia, Laos,
Malaysia, Myanmar, Singapore [int],
Thailand, Viet Nam***Macaca nigra***

Celebes Black Macaque

EN ¹⁴³ A1acd

Indonesia

Macaca pagensis

Mentawai Macaque

CR ¹⁴³ A1cd+2c

Indonesia

Macaca silenus

Lion-tailed Macaque

EN ¹⁴³ C2a

India

Macaca sylvanus

Barbary Macaque

VU ¹⁴³ A1c, C1

Algeria, Gibraltar [int], Morocco

Mandrillus leucophaeus

Drill

EN ¹⁴³ A1acd+2cd, C1+2aCameroon, Equatorial Guinea,
Nigeria***Nasalis larvatus***

Proboscis Monkey

VU ¹⁴³ A2c

Brunei, Indonesia, Malaysia

Presbytis comata

Grizzled Leaf Monkey

EN ¹⁴³ A1c, C2a

Indonesia

Presbytis potenziani

Mentawai Leaf Monkey

VU ¹⁴³ A1c+2c

Indonesia

Pygathrix nemaeus

Douc Monkey

EN ¹⁴³ A1cd

Cambodia, China, Laos, Viet Nam

Rhinopithecus avunculus

Tonkin Snub-nosed Monkey

CR ¹⁴³ C1, E

Viet Nam

Rhinopithecus bieti

Yunnan Snub-nosed Monkey

EN ¹⁴³ C2a

China

Rhinopithecus brelichi

Guizhou Snub-nosed Monkey

EN ¹⁴³ C2b

China

Rhinopithecus roxellana

Golden Snub-nosed Monkey

VU ¹⁴³ C2a

China, India?

Simias concolor

Pig-tailed Snub-nosed Monkey

EN ¹⁴³ A1cd+2c

Indonesia

Trachypithecus auratusVU ¹⁴³ A1c

Indonesia

Trachypithecus delacouri

White-rumped Black Lemur

CR ¹⁴³ A1d, C2a

Viet Nam

Trachypithecus francoisi

François' Leaf Monkey

VU ¹⁴³ A1cd+2cd, C2a

China, Laos, Viet Nam

Trachypithecus johnii

Nilgiri Leaf Monkey

VU ¹⁴³ A1d

India

Trachypithecus pileatusVU ¹⁴³ A2c

Bangladesh, China?, India, Myanmar

Trachypithecus poliocephalusEN ¹⁴³ A2c, C2a

Viet Nam

Trachypithecus vetulusVU ¹⁴³ A1c

Sri Lanka

Family HYLOBATIDAE

Hylobates concolor

Black Gibbon
EN¹⁴³ A1cd, C2a
Cambodia, China, Viet Nam

Hylobates klossii

Mentawai Gibbon
VU¹⁴³ A1c+2c
Indonesia

Hylobates moloch

Silvery Gibbon
CR¹⁴³ A1c, C2a
Indonesia

Hylobates pileatus

Pileated Gibbon
VU¹⁴³ A1cd+2cd
Cambodia, Laos, Thailand

Family HOMINIDAE

Gorilla gorilla

Gorilla
EN¹⁴³ A2cd
Angola, Cameroon, Central African Republic, Congo, Equatorial Guinea, Gabon, Nigeria, Rwanda, Uganda, Zaire

Pan paniscus

Pygmy Chimpanzee
EN¹⁴³ A2cd
Zaire

Pan troglodytes

Chimpanzee
EN¹⁴³ A2cd
Burundi, Cameroon, Central African Republic, Congo, Côte d'Ivoire, Equatorial Guinea, Gabon, Gambia [re-int], Ghana, Guinea, Guinea-Bissau (ex?), Liberia, Mali, Nigeria, Rwanda, Senegal, Sierra Leone, Sudan, Tanzania, Uganda, Zaire

Pongo pygmaeus

Orang-utan
VU¹⁴³ A1cd, C1
Brunei, Indonesia, Malaysia

Order CARNIVORA

Family CANIDAE

Canis rufus

Red Wolf
CR¹⁸⁴ D1
USA

Canis simensis

Ethiopian Wolf
CR³⁶ A1b+2bc, C1, E
Ethiopia

Cuon alpinus

Dhole
VU³⁶ C2a
Bangladesh, Bhutan, Cambodia, China, India, Indonesia, Kazakhstan?, Kyrgyzstan?, Laos, Malaysia, Mongolia, Myanmar, Nepal, North Korea?, Russia, South Korea?, Tajikistan?, Thailand, Uzbekistan?, Viet Nam

Lycaon pictus

African Wild Dog
EN³⁶ C1
Algeria (ex?), Angola, Benin (ex?), Botswana, Burkina Faso (ex?), Burundi (ex?), Cameroon, Central African Republic, Chad, Congo (ex?), Côte d'Ivoire (ex?), Eritrea (ex?), Ethiopia, Gabon (ex?), Gambia (ex?), Ghana (ex?), Guinea (ex?), Kenya, Malawi, Mali (ex?), Mozambique, Namibia, Niger (ex?), Nigeria (ex?), Rwanda (ex), Senegal, Sierra Leone (ex?), Somalia, South Africa, Sudan, Swaziland (ex?), Tanzania, Togo (ex?), Uganda (ex?), Zaire (ex?), Zambia, Zimbabwe

Speothos venaticus

Bush Dog
VU³⁶ C2a
Argentina, Bolivia, Brazil, Colombia, Ecuador, French Guiana, Guyana, Panama, Paraguay, Peru, Suriname, Venezuela

Family FELIDAE

Acinonyx jubatus

Cheetah
VU⁴⁰ A1d+2d, C1
Afghanistan (ex), Algeria, Angola, Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, Chad, Egypt (ex?), Ethiopia, India (ex), Iran, Jordan (ex), Kenya, Libya, Malawi, Mali, Mauritania, Morocco, Mozambique, Namibia, Niger, Nigeria, Pakistan (ex), Saudi Arabia (ex), Senegal (ex?), Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Western Sahara (ex?), Zaire, Zambia, Zimbabwe

Catopuma badia

Bay Cat
VU⁴⁰ C2a
Indonesia, Malaysia

Lynx pardinus

Iberian Lynx
EN⁴⁰ C1
Portugal, Spain

Neofelis nebulosa

Clouded Leopard
VU⁴⁰ A1cd
Bangladesh (ex?), Bhutan, Brunei, Cambodia?, China, India, Indonesia, Laos, Malaysia, Myanmar, Nepal, Taiwan (ex?), Thailand, Viet Nam

Oncifelis guigna

Kodkod
VU⁴⁰ C2a
Argentina, Chile

Oreailurus jacobita

Andean Cat
VU⁴⁰ C2a
Argentina, Bolivia, Chile, Peru

Panthera leo

Lion
VU⁴⁰ A1cd
Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, Côte d'Ivoire, Ethiopia, Gabon, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Malawi, Mali, Mauritania (ex?), Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zaire, Zambia, Zimbabwe

Panthera tigris

Tiger
EN⁴⁰ A2cd
Bangladesh, Bhutan, Cambodia, China, India, Indonesia, Laos, Malaysia, Myanmar, Nepal, North Korea (ex?), Russia, Thailand, Viet Nam

Priionailurus planiceps

Flat-headed Cat
VU⁴⁰ A2c
Brunei, Indonesia, Malaysia, Myanmar?, Thailand

Uncia uncia

Snow Leopard
EN⁴⁰ C2a
Afghanistan, Bhutan, China, India, Kazakhstan, Kyrgyzstan, Mongolia, Nepal, Pakistan, Russia, Tajikistan, Uzbekistan

Family HERPESTIDAE

Bdeogale jacksoni

Jackson's Mongoose
VU¹¹⁷ B1+2c
Kenya, Uganda

Galidictis fasciata

Broad-striped Mongoose
VU¹¹⁷ A1cd+2cd
Madagascar



Galidictis grandidieri
Giant-striped Mongoose
EN¹¹⁷ B1+3b
Madagascar

Liberictis kuhni
Liberian Mongoose
EN¹¹⁷ B1+2c
Côte d'Ivoire, Guinea, Liberia

Mungotictis decemlineata
Narrow-striped Mongoose
VU¹¹⁷ B1+2c
Madagascar

Salanoia concolor
Brown-tailed Mongoose
VU¹¹⁷ B1+2c
Madagascar

Family MUSTELIDAE

Gulo gulo
Wolverine
VU¹¹⁷ A2c
Canada, Estonia, Finland, Mongolia,
Norway, Russia, Sweden, USA

Lutra felina
Marine Otter
EN¹²⁷ A1cd
Argentina, Chile, Peru

Lutra perspicillata
Smooth-coated Otter
VU¹²⁷ A2cd
Bangladesh, Bhutan, Cambodia,
China, India, Indonesia, Iraq, Laos,
Malaysia, Myanmar, Nepal,
Pakistan, Thailand, Viet Nam

Lutra provocax
Southern River Otter
VU¹²⁷ A2cd
Argentina, Chile

Lutra sumatrana
Hairy-nosed Otter
VU¹²⁷ A2cd
Brunei, Cambodia, Indonesia, Laos?,
Malaysia, Singapore, Thailand,
Viet Nam

Martes gwatkinsii
Nilgiri Marten
VU¹¹⁷ B1+2c
India

Melagale everetti
Kinabalu Ferret-badger
VU¹¹⁷ B1+2c
Malaysia

Mustela felipei
Colombian Weasel
EN¹¹⁷ B1+2ce
Colombia, Ecuador

Mustela lutreola
European Mink
EN¹¹⁷ A1ace
Belarus, Estonia, Finland (ex?),
France, Georgia, Latvia, Lithuania
(ex), Poland (ex?), Romania, Russia,
Spain

Mustela lutreolina
Indonesian Mountain Weasel
EN¹¹⁷ B1+2c
Indonesia

Mustela strigidorsa
Back-striped Weasel
VU¹¹⁷ C2a
Bhutan, China, India, Laos,
Myanmar, Thailand, Viet Nam

Mydaus marchei
Palawan Stink Badger
VU¹¹⁷ B1+2c
Philippines

Pteronura brasiliensis
Giant Otter
VU¹²⁷ A2cd
Argentina, Bolivia, Brazil,
Colombia, Ecuador, French Guiana,
Guyana, Paraguay, Peru, Suriname,
Uruguay (ex?), Venezuela

Family OTARIIDAE

Arctocephalus galapagoensis
Galápagos Fur Seal
VU¹⁵³ A2d
Ecuador (Galápagos Is)
[Pacific (southeast)]

Arctocephalus philippii
Juan Fernandez Fur Seal
VU¹⁵³ D2
Chile (Juan Fernandez Is)
[Pacific (southeast)]

Arctocephalus townsendi
Guadalupe Fur Seal
VU¹⁵³ D2
Mexico, USA
[Pacific (eastern central)]

Callorhinus ursinus
Northern Fur Seal
VU¹⁵³ A1b
Canada, Japan, Russia, USA
[Pacific (eastern central, northeast,
northwest)]

Eumetopias jubatus
Steller's Sea Lion
EN¹⁵³ A1b
Canada, Japan?, Russia, USA
[Pacific (eastern central, northeast,
northwest)]

Phocarcctos hookeri
Hooker's Sea Lion
VU¹⁵³ D2
New Zealand (Auckland Is)
[Pacific (southwest)]

Family PHOCIDAE

Monachus monachus
Mediterranean Monk Seal
CR¹⁵³ C2a
Albania, Algeria, Bulgaria, Cyprus
(ex?), Greece, Italy, Lebanon (ex?),
Libya, Mauritania, Morocco,
Portugal (Desertas Is, Madeira),
Spain (Canary Is (ex?), Chafarinas
Is), Syria (ex?), Tunisia, Turkey,
Western Sahara, Yugoslavia
[Atlantic (eastern central),
Mediterranean and Black Sea]

Monachus schauinslandi
Hawaiian Monk Seal
EN¹⁵³ C2a
USA (Hawaiian Is)
[Pacific (eastern central, northwest)]

Phoca caspica
Caspian Seal
VU¹⁵³ B1+2e
Azerbaijan, Iran, Kazakhstan,
Russia, Turkmenistan

Family PROCYONIDAE

Bassaricyon lasius
EN¹¹⁷ D1
Costa Rica

Bassaricyon pauli
EN¹¹⁷ D1
Panama

Nasua nelsoni
Cozumel Island Coati
EN¹¹⁷ D1
Mexico

Procyon insularis
EN¹¹⁷ D1
Mexico

Procyon maynardi
EN¹¹⁷ C2a
Bahamas

Procyon minor
EN¹¹⁷ C2b
Guadeloupe

Procyon pygmaeus
Cozumel Island Raccoon
EN¹¹⁷ C2a
Mexico

Family URSIDAE

Ailuropoda melanoleuca
Giant Panda
EN¹⁷ B1+2c, C2a
China

Ailurus fulgens

Lesser Panda
 EN ¹⁷ C2a
 Bhutan, China, India, Laos,
 Myanmar, Nepal

Melursus ursinus

Sloth Bear
 VU ¹⁷ A2cd, C1+2a
 Bangladesh, Bhutan?, India, Nepal,
 Sri Lanka

Tremarctos ornatus

Spectacled Bear
 VU ¹⁷ A2bc
 Bolivia, Colombia, Ecuador,
 Panama?, Peru, Venezuela

Ursus thibetanus

Asiatic Black Bear
 VU ¹⁷ A1cd
 Afghanistan, Bangladesh, Bhutan,
 Cambodia, China, India, Iran, Japan,
 Laos, Malaysia?, Mongolia,
 Myanmar, Nepal, North Korea,
 Pakistan, Russia, South Korea,
 Taiwan, Thailand, Viet Nam

Family **VIVERRIDAE**

Chrotogale owstoni

Owston's Palm Civet
 VU ¹⁷ A1cd
 China, Laos, Viet Nam

Cryptoprocta ferox

Fossa
 VU ¹⁷ B1+2e
 Madagascar

Cynogale bennettii

Otter-civet
 EN ¹⁷ A1ce, C2a
 Brunei, Indonesia, Malaysia,
 Singapore?, Thailand, Viet Nam

Diplogale hosei

Hose's Palm Civet
 VU ¹⁷ B1+2c
 Malaysia

Eupleres goudotii

Falanoouc
 EN ¹⁷ B1+2c
 Madagascar

Fossa fossa

Malagasy Civet
 VU ¹⁷ B1+2c
 Madagascar

Genetta cristata

Crested Genet
 EN ¹⁷ B1+2c
 Cameroon, Nigeria

Macrogalidia musschenbroekii

Sulawesi Palm Civet
 VU ¹⁷ A2c
 Indonesia

Paradoxurus jerdoni

Jerdon's Palm Civet
 VU ¹⁷ B1+2c
 India

Viverra civettina

CR ¹⁷ C2a
 India

Order **CETACEA**

Family **BALAENIDAE**

Eubalaena glacialis

Northern Right Whale
 EN ⁴¹ C1, D1
 [Arctic Sea, Atlantic (northeast,
 northwest, western central), Pacific
 (eastern central, northeast,
 northwest)]

Family **BALAEOPTERIDAE**

Balaenoptera borealis

Sei Whale
 EN ⁴¹ A1abd
 [Atlantic (Antarctic, eastern central,
 northeast, northwest, southeast,
 southwest, western central), Indian
 Ocean (Antarctic, eastern, western),
 Mediterranean and Black Sea,
 Pacific (Antarctic, eastern central,
 northeast, northwest, southeast,
 southwest, western central)]

Balaenoptera musculus

Blue Whale
 EN ⁴¹ A1abd
 [Arctic Sea, Atlantic (Antarctic,
 eastern central, northeast, northwest,
 southeast, southwest, western
 central), Indian Ocean (Antarctic,
 eastern, western), Mediterranean
 and Black Sea (western central),
 Pacific (Antarctic, eastern central,
 northeast, northwest, southeast,
 southwest)]

Balaenoptera physalus

Fin Whale
 EN ⁴¹ A1abd
 [Arctic Sea, Atlantic (Antarctic,
 eastern central, northeast, northwest,
 southeast, southwest, western
 central), Indian Ocean (Antarctic,
 eastern, western), Mediterranean and
 Black Sea, Pacific (Antarctic, eastern
 central, northeast, northwest,
 southeast, southwest, western
 central)]

Megaptera novaeangliae

Humpback Whale
 VU ⁴¹ A1ad
 [Arctic Sea, Atlantic (Antarctic,
 eastern central, northeast, northwest,
 southeast, southwest, western
 central), Indian Ocean (Antarctic,
 eastern, western), Mediterranean and
 Black Sea, Pacific (Antarctic, eastern
 central, northeast, northwest,
 southeast, southwest, western
 central)]

Family **DELPHINIDAE**

Cephalorhynchus hectori

Hector's Dolphin
 VU ⁴¹ A1ad
 New Zealand
 [Pacific (southwest)]

Family **MONODONTIDAE**

Delphinapterus leucas

White Whale
 VU ⁴¹ A1abd
 Canada, Greenland, Norway, Russia,
 USA
 [Arctic Sea, Atlantic (northeast,
 northwest), Pacific (northeast,
 northwest)]

Family **PHOCOENIDAE**

Phocoena phocoena

Harbour Porpoise
 VU ⁴¹ A1cd
 Belgium, Bulgaria, Canada, Cape
 Verde, China?, Denmark, Faeroe
 Islands, Finland, France, Georgia,
 Germany, Greenland, Iceland,
 Ireland, Japan, Mauritania, Mexico,
 Morocco, Netherlands, North Korea,
 Norway, Poland, Portugal, Romania,
 Russia, Senegal, South Korea, Spain,
 Sweden, Tunisia, Turkey, USA,
 Ukraine, United Kingdom
 [Arctic Sea, Atlantic (eastern central,
 northeast, northwest), Mediterranean
 and Black Sea, Pacific (eastern
 central, northeast, northwest)]

Phocoena sinus

Vaquita
 CR ⁴¹ C2b
 Mexico
 [Pacific (eastern central)]

Family **PHYSETERIDAE**

Physeter catodon

Sperm Whale
 VU ⁴¹ A1bd
 [Atlantic (Antarctic, eastern central,
 northeast, northwest, southeast,
 southwest, western central), Indian
 Ocean (Antarctic, eastern, western),
 Mediterranean and Black Sea,



Pacific (Antarctic, eastern central, northeast, northwest, southeast, southwest, western central)]

Family **PLATANISTIDAE**

Inia geoffrensis

Boto

VU ⁴¹ A1cd

Bolivia, Brazil, Colombia, Ecuador, Guyana?, Peru, Venezuela
[R. Amazon, R. Orinoco]

Lipotes vexillifer

Baiji

CR ⁴¹ A1bc, C2b, D1

China
[R. Yangtze]

Platanista gangetica

Ganges River Dolphin

EN ⁴¹ A1acd

Bangladesh, Bhutan, India, Nepal
[R. Brahmaputra, R. Ganges]

Platanista minor

Indus River Dolphin

EN ⁴¹ A1acd, B1+2abcde

Pakistan
[R. Indus]

Order **SIRENIA**

Family **DUGONGIDAE**

Dugong dugon

Dugong

VU ¹⁵⁷ A1cd

Australia, Bahrain, Bangladesh, Cambodia, China, Comoros?, Djibouti, Egypt, Eritrea, Federated States of Micronesia, Guam, India, Indonesia, Iran, Iraq, Israel, Japan, Jordan, Kenya, Kuwait, Madagascar, Malaysia, Mauritius, Mozambique, Myanmar, New Caledonia, Palau, Papua New Guinea, Philippines, Saudi Arabia, Singapore, Solomon Islands, Somalia, Sri Lanka, Sudan, Taiwan, Tanzania, Thailand, United Arab Emirates, Vanuatu, Viet Nam, Yemen

[Indian Ocean (eastern, western), Pacific (northwest, western central)]

Family **TRICHECHIDAE**

Trichechus inunguis

Amazonian Manatee

VU ¹⁵⁷ A1cd

Brazil, Colombia, Ecuador, Peru, Venezuela
[R. Amazon]

Trichechus manatus

Caribbean Manatee

VU ¹⁵⁷ A2d

Bahamas, Belize, Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, French Guiana, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Suriname, Trinidad and Tobago, USA, Venezuela
[Atlantic (northwest, southwest, western central)]

Trichechus senegalensis

African Manatee

VU ¹⁵⁷ A1cd

Angola, Benin (ex?), Cameroon, Chad, Congo, Côte d'Ivoire, Equatorial Guinea, Gabon, Gambia, Ghana, Guinea?, Guinea-Bissau?, Liberia, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, Togo, Zaire
[Atlantic (eastern central, southeast)]

Order **PROBOSCIDEA**

Family **ELEPHANTIDAE**

Elephas maximus

Asian Elephant

EN ¹⁰ A1cd

Bangladesh, Bhutan, Brunei, Cambodia, China, India, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Viet Nam

Loxodonta africana

African Elephant

EN ² A1b

Angola, Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, Chad, Congo, Côte d'Ivoire, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Malawi, Mali, Mauritania, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Togo, Uganda, Zaire, Zambia, Zimbabwe

Order **PERISSODACTYLA**

Family **EQUIDAE**

Equus africanus

African Wild Ass

CR ⁶⁴ A1b

Ethiopia, Somalia

Equus grevyi

Grevy's Zebra

EN ⁶⁴ A1a+2c

Ethiopia, Kenya

Equus hemionus

VU ⁶⁴ A2c

China, India, Iran, Israel [re-int], Kazakhstan, Mongolia, Turkmenistan, Uzbekistan [re-int]

Equus zebra

Mountain Zebra

EN ⁶⁴ A1b

Angola, Namibia, South Africa

Family **TAPIRIDAE**

Tapirus bairdii

Central American Tapir

VU ¹⁷¹ A1abcd+2bce, C2a

Belize, Colombia, Costa Rica, Ecuador, Guatemala, Honduras, Mexico, Nicaragua, Panama

Tapirus indicus

Malayan Tapir

VU ¹⁷¹ A1c+2c, B2cd+3a, C1+2b

Indonesia, Laos, Malaysia, Myanmar, Thailand, Viet Nam

Tapirus pinchaque

Mountain Tapir

EN ¹⁷¹ A1c+2cd, C1, E

Colombia, Ecuador, Peru, Venezuela

Family **RHINOCEROTIDAE**

Dicerorhinus sumatrensis

Sumatran Rhinoceros

CR ¹¹ A1bcd, C2a

Cambodia (ex?), India (ex?), Indonesia, Laos (ex?), Malaysia, Myanmar, Thailand, Viet Nam

Diceros bicornis

Black Rhinoceros

CR ³ A1abc

Angola, Botswana, Cameroon, Ethiopia (ex?), Kenya, Malawi (ex?), Mozambique, Namibia, Rwanda (ex?), South Africa, Swaziland, Tanzania, Zambia, Zimbabwe

Rhinoceros sondaicus

Javan Rhinoceros

CR ¹¹ C2a

Cambodia, Indonesia, Laos, Myanmar (ex?), Thailand (ex?), Viet Nam

Rhinoceros unicornis

Great Indian Rhinoceros

EN ¹¹ B1+2cde

Bhutan, India, Nepal

Order **HYRACOIDEA**

Family **PROCAVIIDAE**

Dendrohyrax validus

Eastern Tree Hyrax

VU ⁹³ B1+2c

Kenya, Tanzania

Heterohyrax antineae

VU⁹³ D2
Algeria

Heterohyrax chapini

VU⁹³ D2
Zaire

Order ARTIODACTYLA

Family SUIDAE

Babyrousa babyrussa

Babirusa
VU¹³⁵ A1cd
Indonesia

Sus cebifrons

Visayan Warty Pig
CR¹³⁵ A1cde, B1+2acd, E
Philippines

Sus salvanius

Pygmy Hog
CR¹³⁵ A1c, B1+2cd, E
Bhutan (ex?), India, Nepal (ex?)

Sus verrucosus

Javan Warty Pig
EN¹³⁵ A2cd, B1+2ade, E
Indonesia

Family TAYASSUIDAE

Catagonus wagneri

Chacoan Peccary
EN¹³⁵ A1acde, B1+2bde, E
Argentina, Bolivia, Paraguay

Family HIPPOPOTAMIDAE

Hexaprotodon liberiensis

Pygmy Hippopotamus
VU⁸⁹ C2a, E
Côte d'Ivoire, Guinea,
Guinea-Bissau?, Liberia, Nigeria,
Sierra Leone

Family CAMELIDAE

Camelus bactrianus

Wild Bactrian Camel
EN⁸⁴ A1cd, C2a
China, Mongolia

Family MOSCHIDAE

Moschus moschiferus

Siberian Musk Deer
VU⁵⁹ A1acd
China, Mongolia, North Korea,
Russia, South Korea

Family CERVIDAE

Axis calamianensis

Calamian Deer
EN⁵⁹ B1+3d
Philippines

Axis kuhli

Kuhl's Deer
EN⁵⁹ D1
Indonesia

Blastocercus dichotomus

Marsh Deer
VU⁵⁹ A2cde
Argentina, Bolivia, Brazil, Paraguay,
Peru, Uruguay

Cervus albirostris

Thorold's Deer
VU⁵⁹ C1
China

Cervus alfredi

Phillipine Spotted Deer
EN⁵⁹ B1+2c
Philippines

Cervus duvauceli

Swamp Deer
VU⁵⁹ C1
India, Nepal

Cervus eldi

Eld's Deer
VU⁵⁹ A2c
Cambodia, China, India, Laos,
Myanmar, Thailand, Viet Nam

Elaphurus davidianus

Pere David's Deer
CR⁵⁹ D1
China [re-int]

Hippocamelus bisulcus

South Andean Deer
EN⁵⁹ C2a
Argentina, Chile

Muntiacus crinifrons

Black Muntjac
VU⁵⁹ C1
China

Pudu puda

Southern Pudu
VU⁵⁹ A1cde
Argentina, Chile

Family BOVIDAE

Addax nasomaculatus

Addax
EN⁹ A1c, C2a
Algeria (ex), Chad, Egypt (ex),
Libya (ex), Mali, Mauritania, Niger,
Sudan (ex?), Tunisia [re-int]

Ammodorcas clarkei

Dibatag
VU⁹ C1
Ethiopia, Somalia

Ammotragus lervia

Barbary Sheep
VU³⁷ A2cd
Algeria, Chad?, Egypt (ex?), Libya?,
Mali?, Mauritania (ex?), Mexico
[int], Morocco, Niger, Spain [int]
(Canary Is), Sudan, Tunisia (ex?),
USA [int], Western Sahara?

Antilope cervicapra

Blackbuck
VU⁹ A1c
Argentina [int], Bangladesh (ex),
India, Nepal, Pakistan, USA [int]

Bison bonasus

European Bison
EN²² A2ce, C2a
Belarus [re-int], Kyrgyzstan [re-int],
Lithuania [re-int], Poland [re-int],
Russia [re-int], Ukraine [re-int]

Bos frontalis

Gaur
VU¹² A1cd+2cd, C1+2a
Bangladesh (ex?), Bhutan,
Cambodia, China, India, Laos,
Malaysia, Myanmar, Nepal,
Thailand, Viet Nam

Bos grunniens

Wild Yak
VU¹² A1d+2d, C1
China, India, Nepal?

Bos javanicus

Banteng
EN¹² A1cd+2cd, C1+2a
Bangladesh (ex?), Brunei (ex?),
Cambodia, India (ex?), Indonesia,
Laos, Malaysia, Myanmar, Thailand,
Viet Nam

Bos sauveli

Kouprey
CR¹² A2d, C1+2a, D1
Cambodia, Laos, Thailand, Viet Nam

Bubalus bubalis

Wild Water Buffalo
EN¹² A2e, C1
Bhutan, India, Nepal, Thailand

Bubalus depressicornis

Lowland Anoa
EN¹² C1+2a
Indonesia

Bubalus mindorensis

Tamaraw
EN¹² B1+2c, D1
Philippines

Bubalus quarlesi

Mountain Anoa
EN¹² C1+2a
Indonesia

***Budorcas taxicolor***

Takin
VU ³⁷ A2cd
 Bhutan, China, India, Myanmar

Capra aegagrus

Wild Goat
VU ³⁷ A2cde
 Afghanistan, Armenia?, Azerbaijan,
 Georgia, Greece, Iran, Oman,
 Pakistan, Russia?, Turkey,
 Turkmenistan

Capra caucasica

West Caucasian Tur
EN ³⁷ A1d+2cde
 Georgia, Russia

Capra cylindricornis

East Caucasian Tur
VU ³⁷ A1d+2de, C1
 Azerbaijan?, Georgia, Russia

Capra falconeri

Markhor
EN ³⁷ A2cde
 Afghanistan, India, Pakistan,
 Tajikistan, Turkmenistan, Uzbekistan

Capra nubiana

Nubian Ibex
EN ³⁷ C2a
 Egypt, Ethiopia, Israel, Jordan,
 Lebanon (ex), Oman, Saudi Arabia,
 Sudan, Syria (ex), Yemen

Capra walia

Walia Ibex
CR ³⁷ C2b
 Ethiopia

Capricornis sumatraensis

Mainland Serow
VU ³⁷ A2cd
 Bangladesh, Bhutan, Cambodia,
 China, India, Indonesia, Laos,
 Malaysia, Myanmar, Nepal,
 Thailand, Viet Nam

Capricornis swinhoei

Formosan Serow
VU ³⁷ A2cd
 Taiwan

Cephalophus adersi

Aders' Duiker
EN ⁹ C1
 Kenya, Tanzania

Cephalophus jentinki

Jentink's Duiker
VU ⁹ A1c, C1
 Côte d'Ivoire, Liberia, Sierra Leone

Cephalophus spadix

Abbott's Duiker
VU ⁹ C1
 Tanzania

Cephalophus zebra

Zebra Duiker
VU ⁹ A1c, C1
 Côte d'Ivoire, Liberia, Sierra Leone

Damaliscus hunteri

Hunter's Antelope
CR ⁹ A1a
 Kenya, Somalia

Dorcatragus megalotis

Beira Antelope
VU ⁹ C1
 Djibouti (ex?), Ethiopia, Somalia

Gazella bilkis

Queen of Sheba's Gazelle
CR ⁹ B1+2e, C2a
 Saudi Arabia?, Yemen

Gazella cuvieri

Cuvier's Gazelle
EN ⁹ C2a
 Algeria, Morocco, Tunisia, Western
 Sahara (ex)

Gazella dama

Dama Gazelle
EN ⁹ A1c, C1
 Algeria (ex), Chad, Libya (ex), Mali,
 Mauritania (ex), Morocco (ex),
 Niger, Senegal [re-int], Sudan,
 Western Sahara (ex)

Gazella leptoceros

Slender-horned Gazelle
EN ⁹ C1+2a
 Algeria, Chad, Egypt, Libya, Mali,
 Mauritania?, Morocco, Niger, Sudan,
 Tunisia, Western Sahara (ex)

Gazella rufifrons

Red-fronted Gazelle
VU ⁹ A1c
 Benin?, Burkina Faso, Cameroon,
 Central African Republic, Chad,
 Eritrea, Ethiopia, Gambia (ex?),
 Ghana (ex?), Mali, Mauritania,
 Niger, Nigeria, Senegal, Sudan, Togo

Gazella soemmerringii

Soemmerring's Gazelle
VU ⁹ C1
 Djibouti, Eritrea, Ethiopia, Kenya?,
 Somalia, Sudan

Gazella spekei

Speke's Gazelle
VU ⁹ C1
 Ethiopia, Somalia

Hemitragus hylocrius

Nilgiri Tahr
EN ³⁷ C2a
 India

Hemitragus jayakari

Arabian Tahr
EN ³⁷ C2a
 Oman, United Arab Emirates

Hemitragus jemlahicus

Himalayan Tahr
VU ³⁷ A2cde
 China, India, Nepal

Madoqua piacentinii

Silver Dikdik
VU ⁹ C1
 Somalia

Naemorhedus baileyi

Red Goral
VU ³⁷ A2cd
 China, India, Myanmar

Naemorhedus caudatus

Long-tailed Goral
VU ³⁷ A2cd
 China, Laos, North Korea, Russia,
 South Korea, Thailand

Oryx dammah

Scimitar-horned Oryx
CR ⁹ A1c, C1+2a
 Algeria (ex), Burkina Faso (ex?),
 Chad (ex?), Egypt (ex), Israel [int],
 Libya (ex), Mali (ex?), Mauritania
 (ex), Morocco (ex), Niger (ex?),
 Senegal (ex), Sudan (ex?), Tunisia
 [re-int], Western Sahara (ex)

Oryx leucoryx

Arabian Oryx
EN ⁹ D1
 Egypt (ex), Iraq (ex), Israel (ex),
 Jordan [re-int], Oman [re-int], Saudi
 Arabia [re-int], Syria (ex), United
 Arab Emirates (ex), Yemen (ex)

Ovis ammon

Argali
VU ³⁷ A2cde
 Afghanistan, Bhutan?, China, India,
 Kazakhstan, Kyrgyzstan?, Mongolia,
 Nepal, Pakistan?, Russia, Tajikistan

Ovis orientalis

Mouflon, Urial
VU ³⁷ A2cde
 Afghanistan, Armenia, Azerbaijan,
 Cyprus, France, India, Iran, Italy,
 Pakistan, Tajikistan, Turkey,
 Turkmenistan

Pantholops hodgsonii

Tibetan Antelope
VU ⁹ A1c
 China, India, Nepal?

Procapra przewalskii

Przewalski's Gazelle
CR ⁹ A1c, C1
 China

Pseudois schaeferi

Dwarf Blue Sheep
EN ³⁷ A2d, B1+2e
 China

Pseudonovibos spiralis

Linh-duong
EN⁹ C2a
Cambodia, Viet Nam

Pseudoryx nghetinhensis

Vu Quang Ox
EN⁹ C1+2a
Laos, Viet Nam

Saiga tatarica

Saiga
VU⁹ A1a
China (ex), Kazakhstan, Mongolia,
Russia, Turkmenistan

Tetracerus quadricornis

Four-horned Antelope
VU⁹ C2a
India, Nepal

Tragelaphus buxtoni

Mountain Nyala
EN⁹ A1a, C1
Ethiopia

Order **RODENTIA**Family **SCIURIDAE***Ammospermophilus nelsoni*

Nelson's Antelope Squirrel
EN⁸² A1a, B1+2c
USA

Biswamayopterus biswasi

CR¹⁵ B1+2c, C1
India

Callosciurus pygerythrus

VU¹⁵ A1cd
Bangladesh, China, India, Laos,
Myanmar, Nepal, Thailand, Viet Nam

Callosciurus quinquestriatus

VU¹⁵ A1cd
China, Myanmar

Cynomys mexicanus

Mexican Prairie Dog
EN¹⁵ A1cd
Mexico

Eupetaurus cinereus

Woolly Flying Squirrel
EN⁸ A2ce, B1+2cd, C2a
India, Pakistan

Funisciurus carruthersi

Carruther's Mountain Squirrel
VU¹⁵ B1+2c
Burundi, Rwanda, Uganda

Hylopetes alboniger

EN¹⁵ A1c
Bangladesh, Bhutan, Cambodia,
China, India, Laos, Myanmar, Nepal,
Thailand, Viet Nam

Hylopetes sipora

EN¹⁵ B1+2c
Indonesia

Hylopetes winstoni

CR¹⁵ B1+2c, C1
Indonesia

Hyosciurus heinrichi

VU¹⁵ B1+2c
Indonesia

Hyosciurus ileile

VU¹⁵ B1+2c
Indonesia (Sulawesi)

Iomys sipora

VU¹⁵ B1+2c
Indonesia

Lariscus hosei

VU¹⁵ B1+2c
Malaysia

Marmota menzbieri

Menzbier's Marmot
VU¹⁵ B1+2c
Kazakhstan, Kyrgyzstan

Marmota vancouverensis

Vancouver Island Marmot
EN⁸² C2b, D1
Canada

Myosciurus pumilio

African Pygmy Squirrel
VU¹⁵ A2c
Cameroon, Equatorial Guinea,
Gabon, Nigeria

Paraxerus cooperi

VU¹⁵ B1+2c
Cameroon

Paraxerus palliatus

VU¹⁵ A1c
Kenya, Malawi, Mozambique,
Somalia, South Africa, Tanzania,
Zimbabwe

Paraxerus vexillarius

VU¹⁵ B1+2c
Tanzania

Paraxerus vincenti

VU¹⁵ B1+2c
Mozambique

Prosciurillus abstrusus

VU¹⁵ B1+2c
Indonesia

Ratufa indica

VU¹⁵ B1+2c
India

Ratufa macroura

VU¹⁵ A1c
India, Sri Lanka

Sciurotamias forresti

VU¹⁵ A1c
China

Spermophilus brunneus

Idaho Ground Squirrel
EN⁸² B2d+3d
USA

Spermophilus citellus

European Squirrel
VU⁸ A1c
Austria, Bosnia and Herzegovina,
Bulgaria, Croatia, Czech Republic,
Germany, Greece, Macedonia,
Moldova, Poland, Romania,
Slovakia, Slovenia, Turkey, Ukraine,
Yugoslavia

Spermophilus mohavensis

Mohave Ground Squirrel
VU⁸² B1+3d
USA

Spermophilus suslicus

Spotted Souslik
VU⁸ A1c
Poland, Romania, Russia, Ukraine

Spermophilus washingtoni

Washington Ground Squirrel
VU⁸² A1a, B1+2d, C2a
USA

Sundasciurus jentinki

VU¹⁵ B1+2c
Indonesia, Malaysia

Sundasciurus juvencus

EN⁸⁶ B1+2b
Philippines

Sundasciurus rabori

VU⁸⁶ A1c, B1+2b
Philippines

Sundasciurus samarensis

VU¹⁵ B1+2c
Philippines

Tamias palmeri

Palmer's Chipmunk
VU⁸² A2c
USA

Troglodytes xanthipes

EN¹⁵ A1cd
China

Family **GEOMYIDAE***Geomys tropicalis*

VU¹⁵ B1+2c
Mexico

Orthogeomys cuniculus

CR¹⁵ B1+2c
Mexico

Orthogeomys heterodus

VU¹⁵ B1+2ac
Costa Rica

Pappogeomys alcorni

VU¹⁵ B1+2ac
Mexico

***Pappogeomys neglectus***

CR¹⁵ B1+2c, C1
Mexico

Zygoeomys trichopus

Michoacan Pocket Gopher
EN¹⁵ A1c, B1+2ac
Mexico

Family **HETEROMYIDAE*****Dipodomys elator***

Texas Kangaroo Rat
VU⁸² B1+2c
USA

Dipodomys gravipes

San Quintin Kangaroo Rat
EN¹⁵ B1+2c
Mexico

Dipodomys ingens

Giant Kangaroo Rat
CR⁸² A1a
USA

Dipodomys insularis

CR¹⁵ B1+2c, C1
Mexico

Dipodomys margaritae

CR¹⁵ B1+2c, C1
Mexico

Heteromys nelsoni

CR¹⁵ B1+2c
Mexico

Perognathus longimembris

VU¹⁵ A1c
Mexico, USA

Family **DIPODIDAE*****Allactaga firouzi***

CR¹⁵ B1+2c, C1
Iran

Allactaga tetradactyla

EN¹⁵ A1c
Egypt, Libya

Cardiocranius paradoxus

VU¹⁵ A1c
China, Kazakhstan, Mongolia

Eozapus setchuanus

VU¹⁵ A1c
China

Echoreutes naso

EN¹⁵ A1c
China, Mongolia

Salpingotus crassicauda

VU¹⁵ A1c
China, Kazakhstan, Mongolia

Sicista armenica

CR¹⁵ A1c, C1
Armenia, Azerbaijan, Georgia

Sicista caudata

EN¹⁷³ B1+2c
China, Russia

Family **MURIDAE*****Abrawayaomys ruschii***

EN¹⁵ B1+2c
Brazil

Acomys cilicicus

CR¹⁵ C2b
Turkey

Acomys minous

Spiny Mouse
VU⁸ B1+2c
Greece

Akodon lindberghi

VU¹⁵ B1+2c
Brazil

Akodon siberiae

VU⁴⁸ D2
Bolivia

Altilcola montosa

VU¹⁵ B1+2c
India

Ammodillus imbellis

VU¹⁵ A1c
Ethiopia, Somalia

Andalgalomys ologi

VU⁴⁸ D2
Argentina

Anonymomys mindorensis

Mindoro Climbing Rat
VU⁸⁶ C2a
Philippines

Anotomys leander

EN⁴⁸ B1+2c
Ecuador

Apodemus hermonensis

EN¹⁵ B1+2c
Israel

Apomys gracilirostris

VU⁸⁶ B1+2b, C2a
Philippines

Apomys sacobianus

VU⁸⁶ C2b
Philippines

Archboldomys luzonensis

Mt Isarog Shrew-mouse
EN⁸⁶ C2b
Philippines

Beamys hindei

Lesser Hamster-rat
VU¹⁵ A1c
Kenya, Tanzania

Bunomys coelestis

EN¹⁵ B1+2c
Indonesia

Bunomys prolatus

EN¹⁵ B1+2c
Indonesia

Calomyscus hotsoni

EN¹⁵ B1+2c
Pakistan

Chiropodomys karlkoopmani

EN¹⁵ B1+2c
Indonesia

Chrotomys gonzalesi

Mt Isarog Striped Rat
CR¹⁵ B1+2c
Philippines

Chrotomys whiteheadi

VU⁸⁶ B1+2c
Philippines

Coccyomys albidens

White-toothed Melomys
EN¹⁵ B1+2c
Indonesia

Crateromys australis

Dinagat Island Cloud Rat
EN⁸⁶ A1c, B1+2b, C2b
Philippines

Crateromys heaneyi

EN⁸⁶ A1c, C2b
Philippines

Crateromys paulus

CR⁸⁶ A1c, B1+2b, C2b
Philippines

Crateromys schadenbergi

Giant Bushy-tailed Cloud Rat
VU⁸⁶ A1c, B1+2c
Philippines

Cremnomys elvira

VU¹⁵ C2b
India

Crunomys celebensis

EN¹⁵ B1+2c
Indonesia

Crunomys fallax

CR¹⁵ C2b
Philippines

Dasymys montanus

VU¹⁵ B1+2c
Uganda

Dendromus areas

VU¹⁵ B1+2c
Cameroon

Dendromus vernayi

CR¹⁵ B1+2c, C2b
Angola

Dicrostonyx vinogradovi

CR¹⁵ B1+2c, C2b
Russia

- Eliurus majori*
EN¹⁵ B1+2c
Madagascar
- Eliurus penicillatus*
CR¹⁵ B1+2c
Madagascar
- Ellobius alaicus*
EN¹⁵ B1+2c
Kyrgyzstan
- Eropeplus canus*
EN¹⁵ B1+2c
Indonesia
- Gerbillus allenbyi*
VU¹⁵ B1+2c
Israel
- Gerbillus bilensis*
CR¹⁵ B1+2c, C2b
Ethiopia
- Gerbillus bonhottei*
VU¹⁵ B1+2c
Egypt
- Gerbillus burtoni*
CR¹⁵ B1+2c, C2b
Sudan
- Gerbillus cosensis*
CR¹⁵ C2b
Kenya
[R. Kozibir]
- Gerbillus dalloni*
CR¹⁵ C2b
Chad
- Gerbillus floweri*
CR¹⁵ C2b
Egypt
- Gerbillus grobbeni*
CR¹⁵ C2b
Libya
- Gerbillus hoogstraali*
CR¹⁵ B1+2c, C2b
Morocco
- Gerbillus lowei*
CR¹⁵ C2b
Sudan
- Gerbillus maghrebi*
VU¹⁵ B1+2c
Morocco
- Gerbillus mauritaniae*
CR¹⁵ C2b
Mauritania
- Gerbillus occiduus*
CR¹⁵ C2b
Morocco
- Gerbillus principulus*
CR¹⁵ C2b
Sudan
- Gerbillus quadrimaculatus*
CR¹⁵ C2b
Sudan
- Gerbillus syrticus*
CR¹⁵ C2b
Libya
- Grammomyes gigas*
EN¹⁵ B1+2c
Kenya
- Gymnuromys roberti*
VU¹⁵ A2c
Madagascar
- Habromys simulatus*
EN¹⁵ C2a
Mexico
- Haeromys margaretae*
VU¹⁵ A1c, B1+2c
Indonesia, Malaysia
- Haeromys pusillus*
VU¹⁵ A1c
Indonesia, Malaysia, Philippines
- Hybomys eisentrauti*
EN¹⁵ B1+2c
Cameroon
- Hydromys neobritannicus*
VU¹⁵ B1+2c
Papua New Guinea
- Hypogeomys antimena*
EN¹⁵ A2c
Madagascar
- Ichthyomys pittieri*
VU⁴⁸ D2
Venezuela
- Juscelinomys vulpinus*
VU⁴⁸ D2
Brazil
- Komodomys rintjanus*
VU¹⁵ B1+2c
Indonesia
- Kunsia fronto*
VU¹⁵ C2a
Argentina, Brazil
- Kunsia tomentosus*
VU¹⁵ C2a
Bolivia, Brazil
- Lamottemys okuensis*
EN¹⁶⁹ B1+2c
Cameroon
- Leimacomys buettneri*
CR¹⁶⁹ B1+2c
Ghana
- Lemniscomys mittendorfi*
EN¹⁶⁹ B1+2c
Cameroon
- Leopoldamys neilli*
EN¹⁵ A1c
Thailand
- Leopoldamys siporanus*
VU¹⁵ B1+2c
Indonesia
- Leporillus conditor*
Greater Stick-nest Rat
EN¹⁵ A1c
Australia
- Leptomys elegans*
CR¹⁵ B1+2c
Papua New Guinea
- Leptomys signatus*
CR¹⁵ B1+2c
Papua New Guinea
- Macrotarsomys ingens*
CR¹⁵ B1+2c
Madagascar
- Macruromys elegans*
Western Small-toothed Rat
CR¹⁵ B1+2c
Indonesia
- Macruromys major*
EN¹⁵ C2a
Papua New Guinea
- Mallomys gunung*
CR¹⁵ B1+2cd
Indonesia
- Margaretamys elegans*
VU¹⁵ B1+2c
Indonesia
- Margaretamys parvus*
VU¹⁵ B1+2c
Indonesia
- Mastomys pernanus*
VU¹⁵ C2a
Kenya, Rwanda, Tanzania
- Maxomys alticola*
EN¹⁵ C2a
Malaysia
- Maxomys baeodon*
EN¹⁵ C2a
Malaysia
- Maxomys dollmani*
VU¹⁵ C2a
Indonesia
- Maxomys watti*
EN¹⁵ B1+2c
Indonesia
- Mayermys ellermani*
VU¹⁵ C2a
Papua New Guinea
- Megadendromus nikolausi*
VU¹⁵ B1+2c
Ethiopia
- Melasmothrix naso*
EN¹⁵ B1+2c
Indonesia



- Melomys fellowsi*
VU¹⁵ B1+2c
Papua New Guinea
- Melomys rubicola*
CR¹⁵ B1+2e
Australia
- Melomys spechti*
EN¹⁵ B1+2c
Solomon Islands
- Meriones arimalius*
EN¹⁷³ B1+2c
Oman, Saudi Arabia
- Meriones chengi*
CR¹⁵ C2b
China
- Meriones dahl*
EN¹⁷³ B1+2c
Armenia
- Meriones sacramenti*
EN¹⁵ B1+2c
Israel
- Meriones zarudnyi*
EN¹⁷³ B1+2c
Afghanistan, Turkmenistan
- Mesembriomys macrurus*
VU¹⁵ A1ce
Australia
- Mesocricetus auratus*
EN¹⁵ B1+2c
Syria
- Mesocricetus newtoni*
Romanian Hamster
VU⁸ D2
Bulgaria, Romania
- Microtus evoronensis*
CR¹⁵ B1+2c, C2b
Russia
- Microtus kermanensis*
EN¹⁵ B1+2c, C2a
Iran
- Microtus mexicanus*
VU¹⁵ C2a
Mexico, USA
- Microtus mujanensis*
CR¹⁵ B1+2c, C2b
Russia
- Millardia kondana*
EN¹⁵ B1+2c
India
- Muriculus imberbis*
VU¹⁵ A1c
Ethiopia
- Mus famulus*
EN¹⁵ B1+2c
India
- Mus gouldae*
VU¹⁵ C2b
Central African Republic
- Mus kasaicus*
CR¹⁵ B1+2c
Zaire
- Mus oubangui*
VU¹⁵ B1+2c
Central African Republic
- Myomys rupp*
VU¹⁵ B1+2c
Ethiopia
- Myospalax fontanierii*
VU¹⁵ A1d
China
- Mystromys albicaudatus*
VU¹⁵ A1c
South Africa, Swaziland
- Nannospalax leucodon*
VU⁸ D2
Bulgaria, Greece, Hungary,
Romania, Turkey, Ukraine,
Yugoslavia
- Nectomys parvipes*
CR¹⁵ B1+2c
French Guiana
- Neohydromys fuscus*
VU¹⁵ B1+2c
Papua New Guinea
- Neotoma anthonyi*
Anthony's Woodrat
EN¹⁵ A1c, B1+2c
Mexico
- Neotoma bryanti*
EN¹⁵ B1+2c
Mexico
- Neotoma bunker*
Bunker's Woodrat
EN¹⁵ B1+2c
Mexico
- Neotoma fuscipes*
VU¹⁵ A1c
Mexico, USA
- Neotoma martinensis*
San Martin Island Woodrat
EN¹⁵ B1+2c
Mexico
- Neotoma nelsoni*
EN¹⁵ B1+2c
Mexico
- Neotoma varia*
EN¹⁵ B1+2c
Mexico
- Nesoryzomys indefessus*
EN¹⁵ B1+2c
Ecuador (Galápagos Is)
- Neusticomys mussoi*
EN¹⁵ B1+2c
Venezuela
- Neusticomys oyapocki*
EN¹⁵ B1+2c
French Guiana
- Neusticomys peruviansis*
EN¹⁵ B1+2c
Peru
- Neusticomys venezuelae*
EN¹⁵ B1+2c
Guyana, Venezuela
- Notomys fuscus*
Dusky Hopping-mouse
VU¹⁵ A1ce
Australia
- Oecomys cleberi*
EN¹⁵ B1+2c
Brazil
- Oligoryzomys victus*
EN¹⁵ B1+2c
St Vincent
- Oryzomys galapagoensis*
CR¹⁵ A1ce
Ecuador (Galápagos Is)
- Oryzomys gorgasi*
CR¹⁵ B1+2c
Colombia
- Otomys occidentalis*
EN¹⁵ B1+2c
Cameroon, Nigeria
- Oxymycteris hiska*
VU⁴⁸ D2
Peru
- Oxymycteris hucucha*
VU⁴⁸ D2
Bolivia
- Palawanomys furvus*
EN⁸⁶ B1+2c, C2b
Philippines
- Papagomys armandvillei*
VU¹⁵ B1+2c
Indonesia
- Paraleptomys wilhelmina*
VU¹⁵ B1+2c
Indonesia, Papua New Guinea
- Paruromys ursinus*
EN¹⁵ B1+2c
Indonesia
- Pelomys hopkinsi*
VU¹⁵ B1+2c
Kenya, Rwanda, Uganda
- Pelomys isseli*
VU¹⁵ B1+2c
Uganda

- Peromyscus bullatus*
EN¹⁵ B1+2c
Mexico
- Peromyscus caniceps*
VU¹⁵ B1+2c
Mexico
- Peromyscus dickeyi*
EN¹⁵ B1+2c
Mexico
- Peromyscus interparietalis*
EN¹⁵ B1+2c
Mexico
- Peromyscus madrensis*
VU¹⁵ C2b
Mexico
- Peromyscus mayensis*
EN¹⁵ B1+2c
Guatemala
- Peromyscus mekisturus*
VU¹⁵ B1+2c
Mexico
- Peromyscus melanurus*
VU¹⁵ B1+2c
Mexico
- Peromyscus polius*
VU¹⁵ B1+2c
Mexico
- Peromyscus pseudocrinitus*
CR¹⁵ B1+2c
Mexico
- Peromyscus slevini*
CR¹⁵ B1+2c
Mexico
- Peromyscus stephani*
EN¹⁵ B1+2c
Mexico
- Peromyscus zarhynchus*
VU¹⁵ A1c
Mexico
- Petromyscus barbouri*
EN¹⁵ B1+2c
South Africa
- Phaenomys ferrugineus*
EN¹⁵ C2a
Brazil
- Phaulomys andersoni*
Wakayama Red-backed Vole
VU¹⁵ D2
Japan
- Phloeomys cumingi*
Southern Giant Slender-tailed Cloud Rat
VU⁸⁶ A1cd
Philippines
- Podomys floridanus*
Florida Mouse
VU⁸² A1a+2d
USA
- Pogonomelomys bruijni*
CR¹⁵ B1+2c
Indonesia, Papua New Guinea
- Pogonomys championi*
VU¹⁵ B1+2c
Papua New Guinea
- Praomys hartwigi*
EN¹⁵ B1+2c
Cameroon, Nigeria
- Praomys minor*
VU¹⁶⁹ B1+2c
Zaire
- Praomys morio*
VU¹⁶⁹ B1+2c
Cameroon
- Pseudohydromys murinus*
CR¹⁵ B1+2c
Papua New Guinea
- Pseudohydromys occidentalis*
VU¹⁵ B1+2c
Indonesia, Papua New Guinea
- Pseudomys australis*
VU¹⁵ A1ce
Australia
- Pseudomys fieldi*
CR¹⁵ A1ce
Australia
- Pseudomys fumeus*
Smoky Mouse
VU¹⁵ A1ce
Australia
- Pseudomys glaucus*
CR¹⁵ A1ce
Australia
- Pseudomys occidentalis*
Western Mouse
EN¹⁵ A2ce
Australia
- Pseudomys oralis*
Hastings River Mouse
EN¹⁵ A1c+2c
Australia
- Pseudomys patrius*
VU¹⁵ B1+2c
Australia
- Pseudomys pilligaensis*
Pilliga Mouse
VU¹⁵ B1+2c
Australia
- Pseudomys praeconis*
Shark Bay Mouse
VU¹⁵ B1+2c
Australia
- Rattus adustus*
VU¹⁵ D2
Indonesia
- Rattus baluensis*
EN¹⁵ B1+2c
Malaysia
- Rattus bontanus*
VU¹⁵ B1+2c
Indonesia
- Rattus burrus*
VU¹⁵ D2
India
- Rattus elaphinus*
VU¹⁵ D2
Indonesia
- Rattus enganus*
CR¹⁵ C2b
Indonesia
- Rattus feliceus*
VU¹⁵ D2
Indonesia
- Rattus hoogerwerfii*
VU¹⁵ D2
Indonesia
- Rattus mindorensis*
VU¹⁵ B1+2c
Philippines
- Rattus mollicomulus*
VU¹⁵ B1+2c
Indonesia
- Rattus montanus*
CR¹⁵ B1+2c
Sri Lanka
- Rattus palmarum*
VU¹⁵ D2
India (Andaman & Nicobar Is)
- Rattus pelurus*
VU¹⁵ D2
Indonesia
- Rattus ranjinae*
VU¹⁵ D2
India
- Rattus sikkimensis*
VU¹⁵ A1c
Cambodia, China, India, Laos, Myanmar, Nepal?, Thailand, Viet Nam
- Rattus tawitawiensis*
Tawitawi Island Rat
VU¹⁵ B1+2c
Philippines
- Reithrodontomys raviventris*
Salt-marsh Harvest Mouse
VU⁸² A1c+2c
USA



- Reithrodontomys rodriguezi*
VU¹⁵ B1+2c
Costa Rica
- Reithrodontomys spectabilis*
EN¹⁵ B1+2c
Mexico
- Rhagomys rufescens*
CR¹⁵ B1+2c
Brazil
- Rhipidomys scandens*
VU⁴⁸ D2
Panama
- Rhynchomys isarogensis*
Mt Isarog Shrew-rat
VU⁸⁶ B1+2c
Philippines
- Scolomys melanops*
EN⁴⁸ B1+2c
Ecuador
- Scolomys ucayalensi*
EN⁴⁸ B1+2c
Peru
- Sigmodon arizonae*
EN¹⁵ A1c
Mexico, USA
- Sigmodontomys aphrastus*
CR¹⁵ B1+2c
Costa Rica
- Solomys ponceleti*
Poncelet's Giant Rat
EN¹⁵ B1+2c
Papua New Guinea, Solomon Islands
- Solomys salamonis*
VU¹⁵ B1+2c
Solomon Islands
- Solomys sapientis*
VU¹⁵ B1+2c
Papua New Guinea
- Spalax arenarius*
VU¹⁵ A1c, B1+2c
Ukraine
- Spalax giganteus*
VU¹⁷³ A1c, B1+2c
Kazakhstan, Russia
- Spalax graecus*
Greater Mole Rat
VU⁸ D2
Romania, Ukraine
- Spalax leucodon*
Lesser Mole Rat
VU⁸ D2
Bosnia and Herzegovina, Bulgaria,
Croatia, Greece, Hungary,
Macedonia, Romania, Slovenia,
Turkey, Ukraine, Yugoslavia
- Spalax microphthalmus*
VU⁸ D2
Russia, Ukraine
- Steatomys jacksoni*
VU¹⁵ C2a
Ghana, Nigeria
- Stenomys vandeuseni*
EN¹⁵ B1+2c
Papua New Guinea
- Sundamys maxi*
EN¹⁵ C2a
Indonesia
- Tachyoryctes ankoliae*
VU¹⁵ A1cd
Uganda
- Tachyoryctes annectens*
EN¹⁵ B1+2c
Kenya
- Tachyoryctes audax*
VU¹⁵ B1+2c
Kenya
- Tachyoryctes naivashae*
EN¹⁵ B1+2cd
Kenya
- Tachyoryctes rex*
EN¹⁵ B1+2c
Kenya
- Taeromys arcuatus*
VU¹⁵ D2
Indonesia
- Taeromys hamatus*
VU¹⁵ D2
Indonesia
- Tarsomys echinatus*
VU⁸⁶ A1c, B1+2b
Philippines
- Tateomys macrocerus*
VU¹⁵ B1+2c
Indonesia
- Tateomys rhinogradoides*
VU¹⁵ B1+2c
Indonesia
- Tokudaia muenninki*
EN¹⁵ A1c
Japan (Nansei-shoto)
- Tokudaia osimensis*
EN¹⁵ B1+2c
Japan (Nansei-shoto)
- Tryphomys adustus*
VU⁸⁶ A1c, B1+2b
Philippines
- Tylomys bullaris*
CR¹⁵ B1+2c
Mexico
- Tylomys panamensis*
VU¹⁵ B1+2c
Panama
- Tylomys tumbalensis*
CR¹⁵ B1+2c
Mexico
- Typhlomys chapensis*
CR¹⁵ B1+2cd
Viet Nam
- Uromys imperator*
EN¹⁵ B1+2c
Solomon Islands
- Uromys rex*
VU¹⁵ B1+2c
Solomon Islands
- Vandeleuria nolthenii*
VU¹⁵ B1+2c
Sri Lanka
- Vernaya fulva*
VU¹⁵ C2a
China, Myanmar
- Volemys kikuchii*
VU¹⁵ B1+2c
Taiwan
- Xeromys myoides*
False Water-rat
VU¹⁵ A1c
Australia
- Zyzomys palatilis*
CR¹⁵ B1+2c
Australia
- Zyzomys pedunculatus*
Central Rock-rat
CR¹⁵ A1ce+2ce
Australia
- Family PEDETIDAE
- Pedetes capensis*
VU¹⁵ A1cd
Angola, Kenya, Mozambique,
Namibia, South Africa, Tanzania,
Zaire, Zambia, Zimbabwe
- Family CTENODACTYLIDAE
- Felovia vae*
Felou Gundi
VU¹⁵ A1c
Mali, Mauritania, Senegal
- Family MYOXIDAE
- Dryomys sichuanensis*
EN¹⁵ B1+2c
China
- Eliomys quercinus*
Garden Dormouse
VU⁸ A1c
Austria, Belgium, Bosnia and
Herzegovina, Croatia, Czech
Republic, Estonia, Finland, France,
Germany, Italy, Latvia, Lithuania,
Macedonia, Netherlands, Portugal,
Romania, Slovakia, Slovenia, Spain,
Switzerland, Ukraine, Yugoslavia

Glirulus japonicus

Japanese Dormouse
EN¹⁵ A1c
Japan

Graphiurus ocularis

VU¹⁵ A1cd
South Africa

Myomimus personatus

VU¹⁷³ B1+2c
Iran, Turkmenistan, Uzbekistan

Myomimus roachi

Mouse-tailed Dormouse
VU⁸ D2
Greece, Turkey

Myomimus setzeri

EN¹⁵ A1c
Iran

Selevinia betpakdalaensis

EN¹⁷³ B1+2c
Kazakhstan

Family HYSTRICIDAE

Hystrix brachyura

VU¹⁵ A1d
China, India, Indonesia, Malaysia,
Myanmar, Nepal, Singapore,
Thailand

Family ERETHIZONTIDAE

Sphiggurus vestitus

VU¹⁵ C2a
Colombia, Venezuela

Family CHINCHILLIDAE

Chinchilla brevicaudata

Short-tailed Chinchilla
CR¹³² A1cd
Argentina, Bolivia, Chile, Peru (ex?)

Chinchilla lanigera

Long-tailed Chinchilla
VU⁴⁸ A1cd
Chile

Family DINOMYIDAE

Dinomys branickii

Pacarana
EN¹⁵ A1cd
Bolivia, Brazil, Colombia, Ecuador,
Peru, Venezuela

Family DASYPROCTIDAE

Dasyprocta azarae

VU¹⁵ A1cd
Argentina, Brazil, Paraguay

Dasyprocta coibae

EN¹⁵ B1+2ce
Panama

Dasyprocta ruatanica

EN¹⁵ A1cde, B1+2e
Honduras

Family OCTODONTIDAE

Octodon pacificus

VU⁴⁸ D2
Chile

Tympanoctomys barrerae

Red Vizcachas Rat
VU⁴⁸ A1a
Argentina

Family ABROCOMIDAE

Abrocoma boliviensis

VU⁴⁸ D2
Bolivia

Family ECHIMYIDAE

Chaetomys subspinosus

Thin-spined Porcupine
VU¹⁵ A2c
Brazil

Clyomys bishopi

VU¹⁵ D2
Brazil

Diplomys rufodorsalis

VU¹⁵ B1+2c
Colombia

Echimys chrysurus

VU¹⁵ A2ce
Brazil

Echimys thomasi

VU¹⁵ D2
Brazil

Family CAPROMYIDAE

Geocapromys browonii

Jamaican Hutia
VU¹⁵ A1cd
Jamaica

Geocapromys ingrahami

Bahamian Hutia
VU¹⁵ D2
Bahamas

Isolobodon portoricensis

CR¹⁵ B1+2c
Dominican Republic, Haiti, Puerto
Rico? [int]

Mesocapromys angelcabrerai

Cabrera's Hutia
CR¹⁵ B1+2ce
Cuba

Mesocapromys auritus

Large-eared Hutia
CR¹⁵ B1+2ce
Cuba

Mesocapromys nanus

Dwarf Hutia
CR¹⁵ B1+2de
Cuba

Mesocapromys sanfelipensis

Little Earth Hutia
CR¹⁵ C2b
Cuba

Mysateles garridoi

Garrido's Hutia
CR¹⁵ D1
Cuba

Mysateles gundlachi

Chapman's Prehensile-tailed Hutia
VU¹⁵ A2c
Cuba

Plagiodontia aedium

Hispaniolan Hutia
VU¹⁵ A1ac
Dominican Republic, Haiti

Order LAGOMORPHA

Family OCHOTONIDAE

Ochotona helanshanensis

Helan Shan Pika
CR¹⁰⁴ A2cd
China

Ochotona iliensis

Ili Pika
VU¹⁰⁴ D1+2
China

Ochotona koslowi

Koslov's Pika
EN¹⁰⁴ B1+2abd
China

Ochotona pusilla

Steppe Pika
VU¹⁰⁴ A1cd, C2a
Kazakhstan, Russia

Family LEPORIDAE

Bunolagus monticularis

Riverine Rabbit
EN¹⁰⁴ B1+2c
South Africa

Caprolagus hispidus

Hispid Hare
EN¹⁰⁴ A1c+2c, B1+2abcde, C1
Bangladesh, India, Nepal

Lepus castroviejoi

Broom Hare
VU¹⁰⁴ B2c+3c, C2b
Spain

Lepus flavigularis

Tehuantepec Jackrabbit
EN¹⁰⁴ A1ac
Mexico

Lepus hainanus

Hainan Hare
VU¹⁰⁴ A1ac
China

*Nesolagus netscheri*

Sumatran Rabbit

CR¹⁰⁴ B1+2abcde, C2a
Indonesia

Pentalagus furnessi

Amami Rabbit

EN¹⁰⁴ A2b, B1+2bce, C1
Japan

Romerolagus diazi

Volcano Rabbit

EN¹⁰⁴ A1abc+2bc, B1+2bcd+3abc,
C1+2a
Mexico

Sylvilagus dicei

Dice's Cottontail

EN¹⁰⁴ A1c+2bc, B2c+3c
Costa Rica, Panama

Sylvilagus graysoni

Tres Marias Rabbit

EN¹⁰⁴ A1ac+2c, B1+2c, C1+2a
Mexico

Sylvilagus insonus

Omitemi Rabbit

CR¹⁰⁴ A1ac, B1+2c
Mexico

Sylvilagus transitionalis

New England Cottontail

VU¹⁰⁴ A1ae, C1+2a
USA

Order MACROSCELIDEA

Family MACROSCELIDIDAE

Elephantulus edwardii

VU⁹⁶ B1+2c
South Africa

Elephantulus revoili

EN⁹⁶ B1+2c
Somalia

Elephantulus rupestris

VU⁹⁶ B1+2c
South Africa

Macroscelides proboscideus

VU⁹⁶ B1+2c
Namibia, South Africa

Rhynchocyon chrysopygus

Golden-rumped Elephant-shrew

EN⁹⁶ B1+2c
Kenya

Rhynchocyon cirnei

VU⁹⁶ B1+2c
Malawi, Mozambique, Tanzania,
Uganda, Zaire, Zambia

Rhynchocyon petersi

Black-and-rufous Elephant-Shrew

EN⁹⁶ B1+2c
Kenya, Tanzania

Class AVES

Order CASUARIIFORMES

Family CASUARIIDAE

Casuarius casuarius

Southern Cassowary

VU²¹ A1acde+2cde
Australia, Indonesia, Papua New
Guinea

Casuarius unappendiculatus

Northern Cassowary

VU²¹ A1acd+2cd
Indonesia, Papua New Guinea

Order APTERYGIFORMES

Family APTERYGIDAE

Apteryx australis

Brown Kiwi

VU²¹ A1e
New Zealand

Apteryx haastii

Great Spotted Kiwi

VU²¹ B1+2e
New Zealand

Apteryx owenii

Little Spotted Kiwi

VU²¹ D2
New Zealand

Order TINAMIFORMES

Family TINAMIDAE

Crypturellus kerriae

Chocó Tinamou

VU²¹ B1+2c, C2a
Colombia, Panama

Crypturellus pitaritepui

Tepuí Tinamou

VU²¹ D2
Venezuela

Crypturellus saltuarius

Magdalena Tinamou

CR²¹ B1+2c, C2b
Colombia

Nothoprocta kalinowskii

Kalinowski's Tinamou

CR²¹ D1
Peru

Nothoprocta taczanowskii

Taczanowski's Tinamou

VU²¹ C2a
Peru

Nothura minor

Lesser Nothura

VU²¹ A1c, C2a
Brazil

Taoniscus nanus

Dwarf Tinamou

VU²¹ A1c, C2a
Argentina (ex?), Brazil

Order SPHENISCIFORMES

Family SPHENISCIDAE

Eudyptes pachyrhynchus

Fiordland Penguin

VU²¹ C2a
New Zealand

Eudyptes robustus

Snares Islands Penguin

VU²¹ D2
New Zealand

Eudyptes sclateri

Erect-crested Penguin

VU²¹ D2
New Zealand

Megadyptes antipodes

Yellow-eyed Penguin

VU²¹ C2a
New Zealand (Auckland Is,
Campbell Id)

Spheniscus mendiculus

Galápagos Penguin

VU²¹ A1a, C2b
Ecuador

Order PODICIPEDIFORMES

Family PODICIPEDIDAE

Podiceps taczanowskii

Junín Grebe

CR²¹ A1ace+2ce, B1+2cde,
C1+2b
Peru

Poliiocephalus rufopectus

New Zealand Dabchick

EN²¹ C2a
New Zealand

Tachybaptus pelzelni

Madagascar Grebe

VU²¹ A1ace+2ce, C1+2b
Madagascar

Tachybaptus rufolavatus

Alaotra Grebe

CR²¹ D1
Madagascar

Order PROCELLARIIFORMES

Family DIOMEDEIDAE

Diomedea albatrus

Short-tailed Albatross

EN²¹ C1
China (ex), Japan. * Russia, Taiwan,
USA (Hawaiian Is)

Diomedea amsterdamensis

Amsterdam Albatross
CR²¹ D1
 French Southern and Antarctic Territories (Amsterdam Id)

Diomedea exulans

Wandering Albatross
VU²¹ A1ad+2d
 Australia, French Southern and Antarctic Territories, New Zealand, South Africa, South Georgia, St Helena

Family **PROCELLARIIDAE**

Procellaria parkinsoni

Black Petrel
VU²¹ D2
 New Zealand * Ecuador, Peru

Procellaria westlandica

Westland Petrel
VU²¹ D2
 New Zealand. * Australia, Chile

Pterodroma aterrima

Mascarene Black Petrel
CR²¹ D1
 Réunion

Pterodroma axillaris

Chatham Islands Petrel
CR²¹ B1+2e
 New Zealand (Chatham Is)

Pterodroma baraui

Barau's Petrel
CR²¹ A1d
 Réunion

Pterodroma becki

Beck's Petrel
CR²¹ D1
 Papua New Guinea (ex?), Solomon Islands (ex?)

Pterodroma cahow

Bermuda Petrel
EN²¹ D1
 Bermuda

Pterodroma caribbaea

Jamaica Petrel
CR²¹ C2b
 Jamaica

Pterodroma cervicalis

White-necked Petrel
VU²¹ D2
 New Zealand, Norfolk Island

Pterodroma cookii

Cook's Petrel
VU²¹ D2
 New Zealand. * Chile, Peru

Pterodroma defilippiana

Defilippe's Petrel
VU²¹ D2
 Chile (Desventuradas Is, Juan Fernandez Is)

Pterodroma feae

Fea's Petrel
VU²¹ D1+2
 Cape Verde, Portugal (Madeira)

Pterodroma hasitata

Black-capped Petrel
EN²¹ C2a
 Cuba, Dominican Republic, Haiti

Pterodroma incerta

Atlantic Petrel
VU²¹ D2
 St Helena

Pterodroma macgillivrayi

Fiji Petrel
CR²¹ C2b, D1
 Fiji

Pterodroma madeira

Zino's Petrel
CR²¹ D1
 Portugal (Madeira)

Pterodroma magentae

Magenta Petrel
CR²¹ B1+2c, C2b
 New Zealand (Chatham Is)

Pterodroma phaeopygia

Galápagos Petrel
CR²¹ A1acc+2ce
 Ecuador (Galápagos Is). * Chile, Colombia (Malpelo Id), Costa Rica, Ecuador, French Polynesia, Mexico, Panama, Peru

Pterodroma pycrofti

Pycroft's Petrel
VU²¹ C2a
 New Zealand, Norfolk Island (ex)

Pterodroma sandwichensis

Hawaiian Petrel
VU²¹ D2
 USA (Hawaiian Is). * French Polynesia?, Kiribati

Pterodroma solandri

Providence Petrel
VU²¹ D2
 Australia, Norfolk Island (ex)

Puffinus auricularis

Townsend's Shearwater
VU²¹ A1e+2e, B1+2e, C1+2b
 Mexico (Revillagigedos Is)

Puffinus creatopus

Pink-footed Shearwater
VU²¹ D2
 Chile (Juan Fernandez Is). * Cocos (Keeling) Islands, Costa Rica, Ecuador, Peru, USA

Puffinus heinrothi

Heinroth's Shearwater
EN²¹ C2b
 Papua New Guinea, Solomon Islands

Puffinus huttoni

Hutton's Shearwater
EN²¹ B1+2bce
 New Zealand

Puffinus newelli

Newell's Shearwater
VU²¹ D2
 USA

Puffinus opisthomelas

Black-vented Shearwater
VU²¹ D2
 Mexico

Family **HYDROBATIDAE**

Oceanodroma macrodactyla

Guadalupe Storm-petrel
CR²¹ D1
 Mexico

Family **PELECANOIDIDAE**

Pelecanoides garnotii

Peruvian Diving-petrel
EN²¹ A1a
 Chile, Peru

Order **PELECANIFORMES**

Family **PELECANIDAE**

Pelecanus crispus

Dalmatian Pelican
VU²¹ C2a
 Albania, Armenia, Azerbaijan, Bulgaria, China, Greece, Iran, Kazakhstan, Mongolia, Romania, Russia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia. * Afghanistan, Bangladesh, Egypt, Hong Kong, India, Iraq, Lebanon, Pakistan, Syria

Pelecanus philippensis

Spot-billed Pelican
VU²¹ A1acde, C1
 India, Sri Lanka. * Bangladesh, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, Philippines, Thailand, Viet Nam

Family **SULIDAE**

Papasula abbotti

Abbott's Booby
VU²¹ C2b, D2
 Christmas Island, Cocos (Keeling) Islands, Costa Rica?. * Indonesia, Mauritius (ex), Seychelles (ex)

Family **PHALACROCORACIDAE***Phalacrocorax campbelli*

Campbell Island Shag
 VU²¹ D2
 New Zealand

Phalacrocorax carunculatus

New Zealand King Shag
 VU²¹ D1+2
 New Zealand

Phalacrocorax chalconotus

Stewart Island Shag
 VU²¹ C2a
 New Zealand

Phalacrocorax colensoi

Auckland Islands Shag
 VU²¹ D2
 New Zealand

Phalacrocorax featherstoni

Pitt Island Shag
 VU²¹ D2
 New Zealand

Phalacrocorax harrisi

Galápagos Cormorant
 VU²¹ B1+3c, D1+2
 Ecuador (Galápagos Is)

Phalacrocorax onslowi

Chatham Islands Shag
 VU²¹ B1+2d, D1
 New Zealand (Chatham Is)

Phalacrocorax ranfurlyi

Bounty Islands Shag
 VU²¹ D2
 New Zealand

Family **FREGATIDAE***Fregata andrewsi*

Christmas Island Frigatebird
 VU²¹ D2
 Christmas Island. * Brunei, China, Cocos (Keeling) Islands, Hong Kong, Indonesia, Malaysia, Myanmar, Singapore, Solomon Islands, Thailand, Viet Nam

Fregata aquila

Ascension Frigatebird
 CR²¹ B1+2e
 St Helena (Ascension)

Order **CICONIIFORMES**Family **ARDEIDAE***Ardea humbloti*

Madagascar Heron
 VU²¹ C2a
 Comoros?, Madagascar. * Comoros, Mayotte

Ardea insignis

White-bellied Heron
 EN²¹ C1+2a
 Bangladesh, Bhutan, India, Myanmar, Nepal (ex)

Botaurus poiciloptilus

Australasian Bittern
 EN²¹ C2a
 Australia, New Caledonia, New Zealand

Egretta eulophotes

Chinese Egret
 EN²¹ C1
 China, Hong Kong?, North Korea, South Korea. * Brunei, Indonesia, Japan, Malaysia, Philippines, Russia, Singapore, Taiwan, Thailand, Viet Nam

Egretta vinaceigula

Slaty Egret
 VU²¹ C2a
 Botswana, Namibia, Zambia?

Gorsachius gosgai

Japanese Night-heron
 VU²¹ C1+2a
 Japan. * Brunei, China, Hong Kong, Indonesia, Palau, Philippines, Russia, South Korea, Taiwan

Gorsachius magnificus

White-eared Night-heron
 CR²¹ C1+2a
 China. * Viet Nam

Family **CICONIIDAE***Ciconia boyciana*

Oriental Stork
 EN²¹ C1
 China, Russia. * Bangladesh, Hong Kong, India, Japan, Myanmar, North Korea, South Korea, Taiwan

Ciconia stormi

Storm's Stork
 EN²¹ C1+2a
 Indonesia, Malaysia, Thailand. * Brunei, Malaysia

Leptoptilos dubius

Greater Adjutant
 EN²¹ C1
 Bangladesh, Cambodia (ex?), India, Laos (ex?), Myanmar (ex?), Viet Nam (ex?). * Nepal, Thailand

Leptoptilos javanicus

Lesser Adjutant
 VU²¹ C1
 Bangladesh, Cambodia?, China, India, Indonesia, Laos?, Malaysia,

Myanmar, Nepal, Sri Lanka, Thailand, Viet Nam. * Bhutan, Brunei, Singapore

Mycteria cinerea

Milky Stork
 VU²¹ C1
 Cambodia, Indonesia, Malaysia, Thailand (ex), Viet Nam

Family **THRESKIORNITHIDAE***Bostrychia bocagei*

Dwarf Olive Ibis
 CR²¹ D1
 São Tomé & Príncipe

Geronticus calvus

Southern Bald Ibis
 VU²¹ C2b
 Lesotho, South Africa, Swaziland

Geronticus eremita

Northern Bald Ibis
 CR²¹ C2a
 Algeria, Egypt (ex), Morocco, Saudi Arabia, Senegal (ex), Turkey (ex). * Ethiopia, Syria, Yemen

Nipponia nippon

Crested Ibis
 CR²¹ C2b, D1
 China, Japan (ex), North Korea (ex)

Platalea minor

Black-faced Spoonbill
 CR²¹ A2c
 China, North Korea, South Korea. * Cambodia, China, Hong Kong, Japan, Philippines, Taiwan, Thailand, Viet Nam

Pseudibis davisoni

White-shouldered Ibis
 EN²¹ C1+2a
 Cambodia?, China, Indonesia, Laos?, Myanmar?, Thailand, Viet Nam. * Malaysia

Pseudibis gigantea

Giant Ibis
 CR²¹ C1
 Cambodia (ex?), Laos, Thailand, Viet Nam

Family **PHOENICOPTERIDAE***Phoenicopterus andinus*

Andean Flamingo
 VU²¹ A2cd
 Argentina, Bolivia, Chile, Peru

Phoenicopterus jamesi

Puna Flamingo
 VU²¹ A2cd
 Argentina, Bolivia, Chile, Peru

Order ANSERIFORMES

Family ANATIDAE

Anas aucklandica

Brown Teal
VU²¹ B1+2bcde
 New Zealand

Anas bernieri

Madagascar Teal
EN²¹ C2b
 Madagascar

Anas formosa

Baikal Teal
VU²¹ A1ade, D2
 Russia. * China, Japan, North Korea,
 South Korea, Taiwan

Anas laysanensis

Laysan Duck
VU²¹ D1+2
 USA

Anas wyvilliana

Hawaiian Duck
VU²¹ D2
 USA [int] (Hawaiian Is)

Anser cygnoides

Swan Goose
VU²¹ A1cd+2cd
 China, Kazakhstan, Mongolia,
 Russia. * China, Japan, North Korea,
 South Korea, Taiwan

Anser erythropus

Lesser White-fronted Goose
VU²¹ A1acd
 Finland, Norway, Russia, Sweden. *
 Albania, Bulgaria, China, Greece,
 Hungary, India, Iran, Iraq, Japan,
 Latvia, Pakistan, Romania, Turkey,
 Turkmenistan, Yugoslavia

Aythya baeri

Baer's Pochard
VU²¹ A1ac, C1
 China, North Korea?, Russia. *
 Bangladesh, Hong Kong, India,
 Japan, Myanmar, Nepal, South
 Korea, Taiwan, Thailand, Viet Nam

Aythya innotata

Madagascar Pochard
CR²¹ D1
 Madagascar

Aythya nyroca

Ferruginous Duck
VU²¹ A1acd
 Afghanistan, Albania, Armenia,
 Austria, Azerbaijan, Belarus, Bosnia
 and Herzegovina, Bulgaria, China,
 Croatia, Czech Republic, Georgia,

Germany, Greece, Hungary, India,
 Iran, Israel, Italy, Kazakhstan,
 Latvia, Lithuania, Macedonia,
 Moldova, Mongolia, Morocco,
 Poland, Romania, Russia, Saudi
 Arabia, Slovenia, Spain, Tajikistan,
 Turkey, Turkmenistan, Ukraine,
 Uzbekistan, Yugoslavia. * Algeria,
 Bangladesh, Belgium, Bhutan,
 Cameroon, Central African Republic,
 Chad, Cyprus, Egypt, Ethiopia,
 France, Iraq, Jordan, Lebanon,
 Libya, Mali, Malta, Myanmar,
 Nepal, Netherlands, Niger, Nigeria,
 Oman, Pakistan, Senegal, Sudan,
 Switzerland, Thailand, Tunisia,
 United Arab Emirates, Viet Nam,
 Yemen

Branta ruficollis

Red-breasted Goose
VU²¹ A2cd, B1+2cd
 Russia. * Bulgaria, Greece, Hungary,
 Iran, Iraq, Kazakhstan, Romania,
 Turkey, Turkmenistan, Ukraine

Branta sandvicensis

Nene
VU²¹ D1
 USA (Hawaiian Is)

Cairina scutulata

White-winged Duck
EN²¹ C1+2a
 Bangladesh, Cambodia?, India,
 Indonesia, Laos, Malaysia,
 Myanmar, Thailand, Viet Nam

Dendrocygna arborea

West Indian Whistling-duck
VU²¹ C2a
 Antigua and Barbuda, Bahamas,
 Cayman Islands, Cuba, Dominican
 Republic, Haiti, Jamaica, Puerto
 Rico, St Kitts and Nevis, Turks and
 Caicos Islands, Virgin Islands
 (British), Virgin Islands (US)

Hymenolaimus malacorhynchus

Blue Duck
VU²¹ C2a
 New Zealand

Marmaronetta angustirostris

Marbled Teal
VU²¹ A2c
 Afghanistan, Algeria, Armenia,
 Azerbaijan, China?, Egypt?, Georgia,
 Iran, Iraq, Israel, Kazakhstan,
 Morocco, Pakistan?, Russia, Senegal,
 Spain, Tajikistan, Tunisia (ex?),
 Turkey, Turkmenistan, Uzbekistan. *
 Chad, Egypt, India, Mali, Morocco,
 Pakistan, Turkey

Mergus octosetaceus

Brazilian Merganser
CR²¹ A2ce, C2a, D1
 Argentina, Brazil, Paraguay

Mergus squamatus

Scaly-sided Merganser
VU²¹ C1+2a
 China, North Korea, Russia. * Japan,
 South Korea

Oxyura leucocephala

White-headed Duck
VU²¹ A2e
 Afghanistan, Algeria, France, Iran,
 Kazakhstan, Mongolia, Romania,
 Russia, Spain, Tunisia, Turkey,
 Turkmenistan, Uzbekistan. *
 Albania, Azerbaijan, Bulgaria,
 China, Cyprus, Egypt, Greece, India,
 Iraq, Israel, Italy, Morocco, Pakistan,
 Saudi Arabia, Syria, Tajikistan

Polysticta stelleri

Steller's Eider
VU²¹ A1a
 Russia, USA. * Denmark, Estonia,
 Finland, Latvia, Lithuania, Norway,
 Poland, Sweden

Rhodonessa caryophyllacea

Pink-headed Duck
CR²¹ D1
 India, Myanmar, Nepal

Salvadorina waigiuiensis

Salvadori's Teal
VU²¹ C2a
 Indonesia, Papua New Guinea

Somateria fischeri

Spectacled Eider
VU²¹ A1a
 Russia, USA

Stictonetta naevosa

Freckled Duck
VU²¹ B1+3d
 Australia

Tadorna cristata

Crested Shelduck
CR²¹ D1
 China?, North Korea?, Russia. *
 China?, Japan, South Korea

Order FALCONIFORMES

Family CATHARTIDAE

Gymnogyps californianus

California Condor
CR²¹ D1
 USA [re-int]

Family ACCIPITRIDAE

Accipiter brachyurus

New Britain Sparrowhawk
VU²¹ C1
 Papua New Guinea

***Accipiter gundlachi***

Gundlach's Hawk

EN²¹ C2a
Cuba***Accipiter imitator***

Imitator Sparrowhawk

EN²¹ C2a
Papua New Guinea, Solomon Islands***Aquila adalberti***

Spanish Imperial Eagle

VU²¹ D1
Algeria (ex), Portugal, Spain. *
Morocco***Aquila clanga***

Greater Spotted Eagle

VU²¹ C2a
Belarus, China, Finland, India, Iran,
Kazakhstan, Latvia, Moldova,
Mongolia, Pakistan, Poland,
Romania, Russia, Ukraine. *
Afghanistan, Bangladesh, Bulgaria,
Cambodia, Czech Republic, Egypt,
Ethiopia, France, Germany, Greece,
Hong Kong, Hungary, Iraq, Israel,
Italy, Jordan, Kenya, Kuwait, Laos,
Lebanon, Malaysia, Morocco,
Myanmar, Nepal, Oman, Saudi
Arabia, Singapore, Slovakia, Sudan,
Sweden, Thailand, Turkey, United
Arab Emirates, Viet Nam, Yemen***Aquila heliaca***

Imperial Eagle

VU²¹ C2a
Albania?, Azerbaijan, Bulgaria,
China, Croatia, Cyprus, Georgia,
Greece, Hungary, Iran, Kazakhstan,
Macedonia, Moldova, Romania,
Russia, Slovakia, Turkey,
Turkmenistan, Ukraine, Uzbekistan,
Yugoslavia. * Afghanistan,
Bangladesh, Djibouti, Egypt,
Ethiopia, Hong Kong, India, Iraq,
Israel, Jordan, Kuwait, Laos,
Lebanon, Nepal, Oman, Pakistan,
Saudi Arabia, Sudan, Syria, United
Arab Emirates, Viet Nam, Yemen***Buteo galapagoensis***

Galápagos Hawk

VU²¹ D1
Ecuador (Galápagos Is)***Buteo ridgwayi***

Hispaniolan Hawk

EN²¹ C2a
Dominican Republic, Haiti***Erythrotriorchis radiatus***

Red Goshawk

EN²¹ C2b
Australia***Eutriorchis astur***

Madagascar Serpent-eagle

CR²¹ C1+2a
Madagascar***Gyps coprotheres***

Cape Griffon

VU²¹ A1+2c+2de, C1+2b
Botswana, Lesotho, Mozambique,
Namibia, South Africa, Zimbabwe
(ex). * Swaziland***Haliaeetus leucorhynchus***

Pallas's Sea-eagle

VU²¹ C1+2b
Bangladesh, Bhutan, China, India,
Kazakhstan, Mongolia, Myanmar,
Nepal, Pakistan, Russia?, Tajikistan,
Uzbekistan. * Afghanistan***Haliaeetus pelagicus***

Steller's Sea-eagle

VU²¹ C1+2b
Russia. * Japan, North Korea?, South
Korea***Haliaeetus sanfordi***

Sanford's Fish-eagle

VU²¹ C1+2a
Papua New Guinea, Solomon Islands***Haliaeetus vociferoides***

Madagascar Fish-eagle

CR²¹ C2b
Madagascar***Harpyhaliaetus coronatus***

Crowned Eagle

VU²¹ C2b
Argentina, Bolivia, Brazil, Paraguay,
Uruguay***Harpyopsis novaeguineae***

New Guinea Harpy Eagle

VU²¹ C1+2b
Indonesia, Papua New Guinea***Leucopternis lacernulata***

White-necked Hawk

VU²¹ C1+2a, D1
Brazil***Leucopternis occidentalis***

Grey-backed Hawk

EN²¹ C2a
Ecuador, Peru***Lophoictinia isura***

Square-tailed Kite

VU²¹ C2b
Australia***Pithecophaga jefferyi***

Philippine Eagle

CR²¹ C1
Philippines***Spizaetus bartelsi***

Javan Hawk-eagle

EN²¹ C1+2b
Indonesia***Spizaetus nanus***

Wallace's Hawk-eagle

VU²¹ A1c+2c, C1+2a
Brunei, Indonesia, Malaysia,
Myanmar, Thailand***Spizaetus philippensis***

Philippine Hawk-eagle

VU²¹ A1c+2c, C1+2a
PhilippinesFamily **FALCONIDAE*****Falco araea***

Seychelles Kestrel

VU²¹ D1
Seychelles***Falco fasciinucha***

Taita Falcon

VU²¹ C1, D1
Ethiopia, Kenya, Malawi,
Mozambique, South Africa,
Tanzania, Zambia, Zimbabwe***Falco hypoleucos***

Grey Falcon

VU²¹ C2b
Australia***Falco naumanni***

Lesser Kestrel

VU²¹ A1+2c
Afghanistan, Albania?, Algeria,
Armenia, Austria, Azerbaijan,
Bulgaria, China, Croatia, France,
Georgia, Gibraltar, Greece, Hungary,
Iran, Iraq?, Israel, Italy, Jordan,
Kazakhstan, Kyrgyzstan, Lebanon?,
Libya, Macedonia, Moldova,
Mongolia, Morocco, Poland?,
Portugal, Romania, Russia, Saudi
Arabia, Slovenia, Spain,
Switzerland?, Syria, Tajikistan,
Tunisia, Turkey, Turkmenistan,
Ukraine, Uzbekistan, Yugoslavia. *
Angola, Bahrain, Bangladesh, Benin,
Botswana, Burkina Faso, Burundi,
Central African Republic, Chad,
Congo, Côte d'Ivoire, Cyprus,
Djibouti, Egypt, Eritrea, Ethiopia,
Gabon, Gambia, Ghana, Guinea,
Guinea-Bissau?, India, Iraq, Kenya,
Kuwait, Laos, Lebanon, Lesotho,
Liberia, Malawi, Maldives, Mali,
Malta, Mauritania, Mozambique,
Myanmar, Namibia, Nepal, Niger,
Nigeria, Oman, Pakistan, Poland,
Qatar, Rwanda, Senegal, Sierra
Leone?, Somalia, South Africa,
Sudan, Tanzania, Togo?, Turkey,
Uganda, United Arab Emirates,
Western Sahara?, Yemen, Zaire,
Zambia, Zimbabwe

Falco punctatus

Mauritius Kestrel

EN²¹ D1

Mauritius

Micrastur plumbeus

Plumbeous Forest-falcon

EN²¹ C2a

Colombia, Ecuador

Order GALLIFORMES

Family MEGAPODIIDAE

Aepyodius bruijnii

Bruijn's Brush-turkey

VU²¹ D1

Indonesia

Leipoa ocellata

Malleefowl

VU²¹ A1ce+2ce, C1+2a

Australia

Macrocephalon maleo

Maleo

VU²¹ C1+2a

Indonesia

Megapodius laperouse

Micronesian Scrubfowl

VU²¹ C1

Guam (ex), Northern Marianas, Palau

Megapodius layardi

Vanuatu Scrubfowl

VU²¹ A2cd

Vanuatu

Megapodius nicobariensis

Nicobar Scrubfowl

VU²¹ C1

India (Andaman & Nicobar Is)

Megapodius pritchardii

Niaufouu Scrubfowl

EN²¹ B1+2e, C2a

Tonga

Megapodius wallacei

Moluccan Scrubfowl

VU²¹ A2cd, C1

Indonesia

Family CRACIDAE

Crax alberti

Blue-billed Curassow

CR²¹ C2a

Colombia

Crax blumenbachii

Red-billed Curassow

CR²¹ C2a

Brazil

Crax globulosa

Wattled Curassow

VU²¹ A1cd+2cd, C1+2a

Bolivia, Brazil, Colombia, Ecuador, Peru

Oreophasis derbianus

Horned Guan

VU²¹ C2a

Guatemala, Mexico

Ortalis erythroptera

Rufous-headed Chachalaca

VU²¹ C1+2a

Ecuador, Peru

Pauxi pauxi

Northern Helmeted Curassow

EN²¹ C2a

Colombia, Venezuela

Pauxi unicornis

Southern Helmeted Curassow

EN²¹ C2a

Bolivia, Peru

Penelope albipennis

White-winged Guan

CR²¹ C2a

Peru

Penelope barbata

Bearded Guan

VU²¹ A2cd, C1+2a

Ecuador, Peru

Penelope ochrogaster

Chestnut-bellied Guan

VU²¹ C2a

Brazil

Penelope ortoni

Baudó Guan

VU²¹ A1cd+2cd, C1+2a

Colombia, Ecuador

Penelope perspicax

Cauca Guan

EN²¹ C2a

Colombia

Pipile jacutinga

Black-fronted Piping-guan

VU²¹ C2a

Argentina, Brazil, Paraguay

Pipile pipile

Trinidad Piping-guan

CR²¹ C2a

Trinidad and Tobago

Family PHASIANIDAE

Afropavo congensis

Congo Peafowl

VU²¹ C2b

Zaire

Agelastes meleagrides

White-breasted Guineafowl

VU²¹ A1cd+2cd

Côte d'Ivoire, Ghana (ex?), Guinea, Liberia, Sierra Leone

Arborophila ardens

Hainan Partridge

EN²¹ A1cd, C1

China

Arborophila cambodiana

Chestnut-headed Partridge

VU²¹ B1+2c, C1+2a

Cambodia, Thailand

Arborophila charltonii

Chestnut-necklaced Partridge

VU²¹ A1c

Indonesia, Malaysia, Thailand, Viet Nam

Arborophila davidi

Orange-necked Partridge

CR²¹ B1+2c, C1

Viet Nam

Arborophila gingica

White-necklaced Partridge

VU²¹ C1+2a

China

Arborophila mandellii

Chestnut-breasted Partridge

VU²¹ C1+2a

Bhutan, China, India

Arborophila merlini

Annam Partridge

EN²¹ B1+2c

Viet Nam

Arborophila rufipectus

Sichuan Partridge

CR²¹ B1+2c

China

Catreus wallichi

Cheer Pheasant

VU²¹ C2a

India, Nepal, Pakistan

Crossoptilon crossoptilon

White Eared-pheasant

VU²¹ C2a

China

Crossoptilon harmani

Tibetan Eared-pheasant

VU²¹ C2a

China

Crossoptilon mantchuricum

Brown Eared-pheasant

VU²¹ B1+2c

China

Dendrortyx barbatus

Bearded Wood-partridge

CR²¹ A2cd

Mexico

Francolinus camerunensis

Mount Cameroon Francolin

VU²¹ D2

Cameroon

Francolinus griseostriatus

Grey-striped Francolin

VU²¹ B1+2bc, C2a

Angola



- Francolinus gularis***
Swamp Francolin
VU²¹ A1c
Bangladesh, India, Nepal
- Francolinus harwoodi***
Harwood's Francolin
VU²¹ B1+2c, C2a
Ethiopia
- Francolinus ochropectus***
Djibouti Francolin
CR²¹ A1ac+2c
Djibouti
- Francolinus swierstrai***
Swierstra's Francolin
VU²¹ B1+2abc, C2a
Angola
- Lophophorus thuyssii***
Chinese Monal
VU²¹ C2a
China
- Lophophorus sclateri***
Sclater's Monal
VU²¹ C1+2a
China, India, Myanmar
- Lophura bulweri***
Bulwer's Pheasant
VU²¹ C2a
Brunei, Indonesia, Malaysia
- Lophura diardi***
Siamese Fireback
VU²¹ A1cd+2cd
Cambodia, Laos, Thailand, Viet Nam
- Lophura edwardsi***
Edwards's Pheasant
CR²¹ B1+2c, C1+2a, D1
Viet Nam
- Lophura erythrophthalma***
Crestless Fireback
VU²¹ A1c+2c
Brunei, Indonesia, Malaysia
- Lophura hatinensis***
Vietnamese Pheasant
EN²¹ B1+2c, C1
Viet Nam
- Lophura hoogerwerfi***
Sumatran Pheasant
VU²¹ B1+2c, C1+2a
Indonesia
- Lophura ignita***
Crested Fireback
VU²¹ A1cd+2cd
Brunei, Indonesia, Malaysia,
Myanmar, Thailand
- Lophura imperialis***
Imperial Pheasant
CR²¹ C1+2b
Laos?, Viet Nam
- Lophura inornata***
Salvadori's Pheasant
VU²¹ C1+2a
Indonesia
- Odontophorus strophium***
Gorgeted Wood-quail
EN²¹ B1+2c
Colombia
- Ophrysia superciliosa***
Himalayan Quail
CR²¹ D1
India
- Pavo muticus***
Green Peafowl
VU²¹ A1cd+2cd
Bangladesh (ex?), Cambodia, China,
India, Indonesia, Laos, Malaysia,
Myanmar, Thailand, Viet Nam
- Perdica manipurensis***
Manipur Bush-quail
VU²¹ C1+2a
Bangladesh, India
- Polyplectron emphanum***
Palawan Peacock-pheasant
EN²¹ C2a
Philippines
- Polyplectron germaini***
Germain's Peacock-pheasant
VU²¹ B1+2c, C1+2a
Laos?, Viet Nam
- Polyplectron inopinatum***
Mountain Peacock-pheasant
VU²¹ B1+2c, C1+2a
Malaysia
- Polyplectron malacense***
Malayan Peacock-pheasant
VU²¹ A1c+2c, C1+2a
Malaysia, Myanmar, Thailand
- Polyplectron schleiermachersi***
Bornean Peacock-pheasant
CR²¹ A1c, C1
Indonesia, Malaysia
- Rheinardia ocellata***
Crested Argus
VU²¹ A1cd
Laos, Malaysia, Viet Nam
- Syrmaticus ellioti***
Elliot's Pheasant
VU²¹ C1+2a
China
- Syrmaticus humiae***
Hume's Pheasant
VU²¹ C1+2a
China, India, Myanmar, Thailand
- Syrmaticus reevesii***
Reeves's Pheasant
VU²¹ A1c, C1+2a
China, Czech Republic [int]
- Tragopan blythii***
Blyth's Tragopan
VU²¹ C1+2a
Bhutan, China, India, Myanmar
- Tragopan caboti***
Cabot's Tragopan
VU²¹ C1+2a
China
- Tragopan melanocephalus***
Western Tragopan
VU²¹ C1+2a
China, India, Nepal?, Pakistan
- Xenoperdix udzungwensis***
Udzungwa Forest-partridge
EN²¹ B1+2e
Tanzania
- Order **GRUIFORMES**
- Family **MESITORNITHIDAE**
- Mesitornis unicolor***
Brown Mesite
VU²¹ A2c, C1+2a
Madagascar
- Mesitornis variegata***
White-breasted Mesite
VU²¹ A2c, B1+2ac
Madagascar
- Monias benschi***
Subdesert Mesite
VU²¹ A2c, B1+2ce, C1+2b
Madagascar
- Family **TURNICIDAE**
- Turnix castanota***
Chestnut-backed Buttonquail
VU²¹ C2a
Australia
- Turnix everetti***
Sumba Buttonquail
VU²¹ C1+2a, D1
Indonesia
- Turnix melanogaster***
Black-breasted Buttonquail
EN²¹ C2a
Australia
- Turnix olivii***
Buff-breasted Buttonquail
EN²¹ C2b
Australia
- Turnix worcesteri***
Worcester's Buttonquail
VU²¹ D1
Philippines

Family PEDIONOMIDAE

Pedionomus torquatus

Plains-wanderer
VU²¹ B2c+3d
 Australia

Family GRUIDAE

Grus americana

Whooping Crane
EN²¹ D1
 Canada. * Mexico (ex), USA

Grus carunculatus

Wattled Crane
VU²¹ A2cd, C1
 Angola, Botswana, Ethiopia,
 Malawi, Mozambique, Namibia,
 South Africa, Tanzania, Zaire,
 Zambia, Zimbabwe

Grus japonensis

Red-crowned Crane
VU²¹ C1+2a
 China, Japan, Mongolia, Russia. *
 North Korea, South Korea

Grus leucogeranus

Siberian Crane
EN²¹ A2cd
 China, Mongolia?, Russia. *
 Afghanistan, India, Iran, Pakistan

Grus nigricollis

Black-necked Crane
VU²¹ C1
 China, India. * Bhutan, Myanmar,
 Viet Nam

Grus paradisea

Blue Crane
VU²¹ A1ac+2c, C1+2a
 Botswana, Namibia, South Africa,
 Swaziland

Grus vipio

White-naped Crane
VU²¹ C1
 China, Mongolia, Russia. * Japan,
 North Korea, South Korea

Family RALLIDAE

Amaurornis olivieri

Sakalava Rail
CR²¹ C2a
 Madagascar

Aramides wolfi

Brown Wood-rail
VU²¹ A1c
 Colombia, Ecuador, Peru

Aramidopsis plateni

Snoring Rail
VU²¹ C1+2a
 Indonesia

Atlantisia rogersi

Inaccessible Rail
VU²¹ D2
 St Helena (Tristan da Cunha)

Coturnicops exquisitus

Swinhoe's Rail
VU²¹ C1+2a
 China, Russia. * Japan, North Korea,
 South Korea

Crex crex

Common Crane
VU²¹ A1ac
 Afghanistan, Albania, Armenia?,
 Austria, Azerbaijan (ex?), Belarus,
 Belgium, Bosnia and Herzegovina,
 Bulgaria, China, Croatia, Czech
 Republic, Denmark, Estonia,
 Finland, France, Georgia, Germany,
 Greece, Hungary, Iran, Ireland, Italy,
 Kazakhstan, Kyrgyzstan, Latvia,
 Liechtenstein, Lithuania,
 Luxembourg, Moldova, Netherlands,
 Norway, Poland, Romania, Russia,
 Slovakia, Slovenia, Spain, Sweden,
 Switzerland, Tajikistan, Turkey?,
 Ukraine, United Kingdom,
 Yugoslavia. * Algeria, Botswana,
 Congo, Egypt, Ethiopia, Ghana, Iraq,
 Israel, Kenya, Malawi, Mali,
 Mauritania, Morocco, Mozambique,
 Namibia, Nigeria, Portugal, Saudi
 Arabia, South Africa, Sudan,
 Swaziland, Syria, Tanzania, Tunisia,
 Turkmenistan, Uganda, United
 Kingdom, Uzbekistan, Yemen, Zaire,
 Zambia, Zimbabwe

Cyanolimnas cerverai

Zapata Rail
CR²¹ C2b
 Cuba

Fulica alai

Hawaiian Coot
VU²¹ D2
 USA

Fulica cornuta

Horned Coot
VU²¹ C2a
 Argentina, Bolivia, Chile

Gallinula nesiotis

Gough Moorhen
VU²¹ D2
 St Helena (Tristan da Cunha)

Gallinula pacifica

Samoan Moorhen
CR²¹ D1
 Western Samoa

Gallinula silvestris

San Cristobal Moorhen
CR²¹ C2b
 Solomon Islands

Gallirallus lafresnayanus

New Caledonian Rail
CR²¹ C2a
 New Caledonia (ex?)

Gallirallus okinawae

Okinawa Rail
EN²¹ B1+2c, C2b
 Japan (Nansei-shoto)

Gallirallus sylvestris

Lord Howe Rail
EN²¹ D1
 Australia

Gymnocrex rosenbergii

Bald-faced Rail
VU²¹ C1+2a
 Indonesia

Habroptila wallacii

Invisible Rail
VU²¹ C1
 Indonesia

Laterallus levraudi

Rusty-flanked Crane
VU²¹ A1c+2c, B1+2c, C1+2a
 Venezuela

Laterallus tuerosi

Junin Rail
EN²¹ B1+2c
 Peru

Laterallus xenopterus

Rufous-faced Crane
VU²¹ A1c+2c
 Brazil, Paraguay

Lewinia mirificus

Brown-banded Rail
EN²¹ C2b
 Philippines

Lewinia muelleri

Auckland Islands Rail
VU²¹ D2
 New Zealand

Nesaclopeus woodfordi

Woodford's Rail
EN²¹ C2a
 Papua New Guinea, Solomon Islands

Porphyrio mantelli

Takahe
EN²¹ D1
 New Zealand

Porzana atra

Henderson Crane
VU²¹ D2
 Pitcairn Islands

Porzana spiloptera

Dot-winged Crane
VU²¹ A2c, C1+2a
 Argentina, Uruguay

***Rallina canningi***

Andaman Crane
 VU ²¹ C1
 India

Rallus antarcticus

Austral Rail
 CR ²¹ D1
 Argentina, Chile

Rallus semiplumbeus

Bogotá Rail
 EN ²¹ B1+2c, C2a
 Colombia, Ecuador?

Rallus wetmorei

Plain-flanked Rail
 EN ²¹ A2c, C2a
 Venezuela

Sarothrura ayresii

White-winged Flufftail
 EN ²¹ B1+2abc+3abc
 Ethiopia (ex?), South Africa,
 Zambia, Zimbabwe

Sarothrura watersii

Slender-billed Flufftail
 EN ²¹ B1+2c, C2b
 Madagascar

Family HELIORNITHIDAE

Heliopais personata

Masked Finfoot
 VU ²¹ C1+2a
 Bangladesh, Cambodia?, India, Laos,
 Myanmar, Thailand?, Viet Nam. *
 Cambodia?, Indonesia, Malaysia,
 Thailand, Viet Nam

Family RHYNOCHETIDAE

Rhynchotos jubatus

Kagu
 EN ²¹ C2a
 New Caledonia

Family OTIDIDAE

Ardeotis nigricaps

Great Indian Bustard
 EN ²¹ C2b
 India, Pakistan *

Eupodotis bengalensis

Bengal Florican
 EN ²¹ C2a
 Bhutan?, Cambodia?, India, Nepal,
 Viet Nam

Eupodotis indica

Lesser Florican
 CR ²¹ A1a
 India, Nepal. * Bangladesh?, Nepal,
 Pakistan

Otis tarda

Great Bustard
 VU ²¹ A2c
 Austria, China, Czech Republic,
 Germany, Hungary, Iran,
 Kazakhstan, Kyrgyzstan, Moldova,
 Mongolia, Morocco, Portugal,
 Romania, Russia, Slovakia, Spain,
 Syria?, Tajikistan, Turkey, Ukraine,
 Uzbekistan, Yugoslavia. *
 Afghanistan?, Azerbaijan, Bulgaria,
 Iraq, Syria, Turkmenistan,
 Yugoslavia

Order CHARADRIIFORMES

Family HAEMATOPODIDAE

Haematopus chathamensis

Chatham Islands Oystercatcher
 EN ²¹ D1
 New Zealand

Family RECURVIROSTRIDAE

Himantopus novaeseelandiae

Black Stilt
 CR ²¹ D1
 New Zealand *

Family GLAREOLIDAE

Rhinoptilus bitorquatus

Jerdon's Courser
 EN ²¹ B1+2c, C1+2a
 India

Family CHARADRIIDAE

Anarhynchus frontalis

Wrybill
 VU ²¹ C2a
 New Zealand

Charadrius melodus

Piping Plover
 VU ²¹ C2a
 Canada, USA. * Bahamas, Barbados,
 Bermuda, Cuba, Dominican
 Republic, Haiti, Jamaica, Mexico,
 Puerto Rico, Virgin Islands (British),
 Virgin Islands (US)

Charadrius montanus

Mountain Plover
 VU ²¹ A1c
 Canada (ex), USA. * Mexico

Charadrius obscurus

New Zealand Dotterel
 EN ²¹ C2a
 New Zealand

Charadrius rubricollis

Hooded Plover
 VU ²¹ C2a
 Australia

Charadrius sanctaehelenae

St Helena Plover
 EN ²¹ C1+2b
 St Helena

Charadrius thoracicus

Madagascar Plover
 VU ²¹ B1+2e, C2b
 Madagascar

Thinornis novaeseelandiae

Shore Plover
 EN ²¹ D1
 New Zealand (Chatham Is)

Vanellus gregarius

Sociable Lapwing
 VU ²¹ A1ac, C1+2a
 Kazakhstan, Russia. * Egypt, Eritrea,
 Ethiopia, India, Iran, Iraq, Israel,
 Kyrgyzstan, Oman, Pakistan, Saudi
 Arabia, Sri Lanka, Sudan, Tajikistan,
 Turkey, Turkmenistan, Uzbekistan,
 Yemen

Family SCOLOPACIDAE

Coenocorypha pusilla

Chatham Islands Snipe
 VU ²¹ D2
 New Zealand

Eurynorhynchus pygmeus

Spoon-billed Sandpiper
 VU ²¹ C1+2b
 Russia. * Bangladesh, China, Hong
 Kong, India, Japan, Malaysia,
 Myanmar, North Korea, Singapore,
 South Korea, Sri Lanka, Taiwan,
 Thailand, Viet Nam

Gallinago nemoricola

Wood Snipe
 VU ²¹ C2a
 Bhutan, China, India, Nepal. *
 Bangladesh, Laos, Myanmar,
 Pakistan, Thailand, Viet Nam

Numenius borealis

Eskimo Curlew
 CR ²¹ D1
 Canada, USA?. * Argentina, Brazil,
 Chile, French Guiana, Guyana,
 Paraguay, Suriname, Uruguay

Numenius tahitiensis

Bristle-thighed Curlew
 VU ²¹ C2b
 USA. * American Samoa, Cook
 Islands, Federated States of
 Micronesia, Fiji, French Polynesia,
 Kiribati, Marshall Islands, Nauru,
 New Zealand, Niue, Norfolk Island,
 Northern Marianas, Pitcairn Islands,
 Tokelau, Tonga, Tuvalu, US Minor
 Pacific Islands, USA (Hawaiian Is),
 Western Samoa

Numenius tenuirostris

Slender-billed Curlew

CR²¹ C2b

Russia. * Bulgaria, Greece, Hungary, Italy, Morocco, Romania, Tunisia, Turkey, Ukraine, Yugoslavia

Prosobonia cancellata

Tuamotu Sandpiper

EN²¹ C2a

French Polynesia, Kiribati (ex)

Scolopax mira

Amami Woodcock

VU²¹ A2e, B1+2ce, C1

Japan

Scolopax rochussenii

Moluccan Woodcock

VU²¹ D1+2

Indonesia

Tringa guttifer

Nordmann's Greenshank

EN²¹ C1

Russia. * Bangladesh, Cambodia?, China, Hong Kong, India, Indonesia, Japan, Laos?, Malaysia, Myanmar, North Korea, Philippines, Singapore, South Korea, Taiwan, Thailand, Viet Nam

Family LARIDAE

Chlidonias albostratus

Black-fronted Tern

VU²¹ C2a

New Zealand

Larus atlanticus

Olog's Gull

VU²¹ A2cd, C1+2b

Argentina. * Brazil, Uruguay

Larus fuliginosus

Lava Gull

VU²¹ D1

Ecuador

Larus leucophthalmus

White-eyed Gull

VU²¹ C1

Egypt, Eritrea, Ethiopia, Saudi Arabia, Somalia, Sudan, Yemen. * Kenya (ex)

Larus saundersi

Saunders's Gull

EN²¹ A2cde

China. * Hong Kong, Japan, North Korea?, South Korea?, Taiwan, Viet Nam

Rissa brevirostris

Red-legged Kittiwake

VU²¹ A1a

Russia, USA

Sterna acuticauda

Black-bellied Tern

VU²¹ C1

Bangladesh, Cambodia, India, Laos, Myanmar, Nepal, Pakistan, Thailand, Viet Nam

Sterna bernsteini

Chinese Crested-tern

CR²¹ D1

China?. * Indonesia, Malaysia, Philippines, Thailand

Sterna nereis

Fairy Tern

VU²¹ C2a

Australia, New Caledonia, New Zealand

Sterna virgata

Kerguelen Tern

VU²¹ A2e, C1

France, French Southern and Antarctic Territories (Crozet Is, Kerguelen Is), South Africa

Family RHYNCHOPIDAE

Rynchops albigollis

Indian Skimmer

VU²¹ C1+2a

Bangladesh, Cambodia, India, Laos, Myanmar, Nepal, Pakistan

Family ALCIDAE

Synthliboramphus wumizusume

Japanese Murrelet

VU²¹ C1

Japan. * North Korea, Russia, South Korea

Order COLUMBIFORMES

Family COLUMBIDAE

Claravis godefrida

Purple-winged Ground-dove

CR²¹ C2b

Argentina, Brazil, Paraguay

Columba argentina

Silvery Wood-pigeon

VU²¹ C1+2a

Indonesia, Malaysia

Columba bollii

Dark-tailed Laurel Pigeon

VU²¹ C2a

Spain (Canary Is)

Columba caribaea

Ring-tailed Pigeon

CR²¹ A2cd

Jamaica

Columba eversmanni

Pale-backed Pigeon

VU²¹ A1a

Afghanistan, China, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan. * India, Pakistan

Columba inornata

Plain Pigeon

EN²¹ C2a

Cuba, Dominican Republic, Haiti, Jamaica, Puerto Rico

Columba junoniae

White-tailed Laurel Pigeon

VU²¹ C2a

Spain (Canary Is)

Columba mayeri

Pink Pigeon

CR²¹ D1

Mauritius

Columba oenops

Peruvian Pigeon

VU²¹ B1+2bc, C2a

Peru

Columba oliviae

Somali Pigeon

VU²¹ C2a

Somalia

Columba pallidiceps

Yellow-legged Pigeon

CR²¹ C2a

Papua New Guinea, Solomon Islands (ex?)

Columba punicea

Pale-capped Pigeon

VU²¹ C1+2a

Bangladesh, China, India, Laos, Myanmar, Thailand, Viet Nam

Columba thomensis

Maroon Pigeon

VU²¹ D1

São Tomé & Príncipe (São Tomé)

Columba torringtoni

Sri Lanka Wood-pigeon

VU²¹ B1+2c, C1+2a

Sri Lanka

Columbina cyanopsis

Blue-eyed Ground-dove

CR²¹ C2a

Brazil

Didunculus strigirostris

Tooth-billed Pigeon

VU²¹ C1

Western Samoa

Drepanoptila holosericea

Cloven-feathered Dove

VU²¹ C2b

New Caledonia



- Ducula aurorae***
Polynesian Imperial-pigeon
VU²¹ D1+2
French Polynesia
- Ducula bakeri***
Vanuatu Imperial-pigeon
VU²¹ C2a
Vanuatu
- Ducula brenchleyi***
Chestnut-bellied Imperial-pigeon
EN²¹ A2c
Solomon Islands
- Ducula carola***
Spotted Imperial-pigeon
VU²¹ A2cd, C1+2a
Philippines
- Ducula cineracea***
Timor Imperial-pigeon
VU²¹ B1+2c, C1+2a
Indonesia
- Ducula galeata***
Marquesan Imperial-pigeon
CR²¹ B1+2e, C2b
French Polynesia
- Ducula goliath***
New Caledonian Imperial-pigeon
VU²¹ C2b
New Caledonia
- Ducula mindorensis***
Mindoro Imperial-pigeon
EN²¹ B1+2c, C2a
Philippines
- Ducula pickeringii***
Grey Imperial-pigeon
VU²¹ B1+2cde, C1+2a
Indonesia, Malaysia, Philippines
- Ducula whartoni***
Christmas Island Imperial-pigeon
VU²¹ D2
Christmas Island
- Gallicolumba criniger***
Mindanao Bleeding-heart
VU²¹ C2a
Philippines
- Gallicolumba erythroptera***
Polynesian Ground-dove
CR²¹ C2a
French Polynesia
- Gallicolumba hoedtii***
Wetar Ground-dove
VU²¹ C1+2a
Indonesia
- Gallicolumba keayi***
Negros Bleeding-heart
CR²¹ B1+2ce, C2a
Philippines
- Gallicolumba kubaryi***
Caroline Islands Ground-dove
EN²¹ B1+2e, C2a
Federated States of Micronesia
- Gallicolumba menagei***
Sulu Bleeding-heart
CR²¹ B1+2ce, C2b
Philippines
- Gallicolumba platenae***
Mindoro Bleeding-heart
CR²¹ B1+2c, C2a
Philippines
- Gallicolumba rubescens***
Marquesan Ground-dove
EN²¹ D1
French Polynesia
- Gallicolumba salamonis***
Thick-billed Ground-dove
CR²¹ C2a, D1
Solomon Islands
- Gallicolumba sanctaerucis***
Santa Cruz Ground-dove
VU²¹ A2c, C1
Solomon Islands, Vanuatu
- Geotrygon carrikeri***
Veracruz Quail-dove
EN²¹ A2c, C1+2a
Mexico
- Goura cristata***
Western Crowned-pigeon
VU²¹ A1acd+2cd, C1+2a
Indonesia
- Goura scheepmakeri***
Southern Crowned-pigeon
VU²¹ A1acd+2cd
Indonesia, Papua New Guinea
- Goura victoria***
Victoria Crowned-pigeon
VU²¹ A1acd+2cd, C1+2a
Indonesia, Papua New Guinea
- Leptotila conoveri***
Tolima Dove
EN²¹ C2a
Colombia
- Leptotila ochraceiventris***
Ochre-bellied Dove
VU²¹ A1c+2c, B1+2cd, C1+2a
Ecuador, Peru
- Leptotila wellsi***
Grenada Dove
CR²¹ A2ce, B1+2ce, C1+2b
Grenada
- Phapitreron cinereiceps***
Dark-eared Brown-dove
VU²¹ A2cd, C1
Philippines
- Ptilinopus arcanus***
Negros Fruit-dove
CR²¹ B1+2ce, C2b, D1
Philippines
- Ptilinopus chalcurus***
Makatea Fruit-dove
VU²¹ D1+2
French Polynesia
- Ptilinopus dohertyi***
Red-naped Fruit-dove
VU²¹ B1+2c, C1
Indonesia
- Ptilinopus granulifrons***
Carunculated Fruit-dove
VU²¹ A2c, B1+2c, C1+2b
Indonesia
- Ptilinopus huttoni***
Rapa Fruit-dove
VU²¹ D1+2
French Polynesia
- Ptilinopus insularis***
Henderson Fruit-dove
VU²¹ D2
Pitcairn Islands
- Ptilinopus marcheii***
Flame-breasted Fruit-dove
VU²¹ A2cd, B1+2ce, C1+2a
Philippines
- Starnoenas cyanocephala***
Blue-headed Quail-dove
EN²¹ C2a
Cuba
- Treron psittacea***
Timor Green-pigeon
VU²¹ A1c, C1+2a
Indonesia
- Turacoena modesta***
Black Cuckoo-dove
VU²¹ A1c, C1+2a
Indonesia
- Order **PSITTACIFORMES**
- Family **PSITTACIDAE**
- Agapornis nigrigenis***
Black-cheeked Lovebird
EN²¹ C2b
Botswana, Namibia?, Zambia, Zimbabwe (ex?)
- Amazona agilis***
Black-billed Amazon
VU²¹ C2a
Jamaica
- Amazona arausiaca***
Red-necked Amazon
VU²¹ D1+2
Dominica

- Amazona barbadensis*
Yellow-shouldered Amazon
VU²¹ C2a
Aruba (ex?), Netherlands Antilles,
Venezuela
- Amazona brasiliensis*
Red-tailed Amazon
EN²¹ A2cd
Brazil
- Amazona guildingii*
St Vincent Amazon
VU²¹ D1+2
St Vincent
- Amazona imperialis*
Imperial Amazon
VU²¹ D1+2
Dominica
- Amazona oratrix*
Yellow-headed Amazon
EN²¹ A1acd
Belize, Guatemala?, Mexico, Puerto
Rico [int]
- Amazona pretrei*
Red-spectacled Amazon
EN²¹ A2cd, C1
Argentina, Brazil, Paraguay?,
Uruguay
- Amazona rhodocorytha*
Red-browed Amazon
EN²¹ C2a
Brazil
- Amazona versicolor*
St Lucia Amazon
VU²¹ D1+2
St Lucia
- Amazona vinacea*
Vinaceous Amazon
EN²¹ A1acd
Argentina, Brazil, Paraguay
- Amazona viridigenalis*
Green-cheeked Amazon
EN²¹ A1acd
Mexico, Puerto Rico [int], USA [int]
- Amazona vittata*
Puerto Rican Amazon
CR²¹ D1
Puerto Rico
- Amazona xanthops*
Yellow-faced Amazon
VU²¹ A1c
Bolivia, Brazil
- Anodorhynchus hyacinthinus*
Hyacinth Macaw
VU²¹ A1cd+2cd
Bolivia, Brazil, Paraguay
- Anodorhynchus leari*
Lear's Macaw
CR²¹ D1
Brazil
- Ara glaucogularis*
Blue-throated Macaw
EN²¹ C2b
Argentina?, Bolivia, Paraguay?
- Ara maracana*
Blue-winged Macaw
VU²¹ A1ac, C1+2a
Argentina, Brazil, Paraguay
- Ara militaris*
Military Macaw
VU²¹ A1c, C2a
Argentina, Bolivia, Colombia,
Costa Rica, Ecuador, Honduras,
Mexico, Nicaragua, Panama, Peru,
Venezuela
- Ara rubrogenys*
Red-fronted Macaw
EN²¹ C2a
Bolivia
- Aratinga auricapilla*
Golden-capped Parakeet
VU²¹ A1ac, C1+2a
Brazil
- Aratinga brevipes*
Socorro Parakeet
VU²¹ D1
Mexico
- Aratinga chloroptera*
Hispaniolan Parakeet
VU²¹ C2a
Dominican Republic, Haiti, Puerto
Rico (ex)
- Aratinga euops*
Cuban Parakeet
VU²¹ A1cd, B1+2c, C1+2a
Cuba
- Aratinga guarouba*
Golden Parakeet
EN²¹ C2b
Brazil
- Balborhynchus ferrugineifrons*
Rufous-fronted Parakeet
EN²¹ C2a
Colombia
- Cacatua alba*
White Cockatoo
VU²¹ A2cd
Indonesia
- Cacatua haematuropygia*
Philippine Cockatoo
CR²¹ A1cd
Philippines
- Cacatua moluccensis*
Salmon-crested Cockatoo
VU²¹ A1cd+2cd, B1+2ce
Indonesia, Singapore [int]
- Cacatua sulphurea*
Yellow-crested Cockatoo
EN²¹ A1cd+2cd
Hong Kong [int], Indonesia,
Singapore
- Calyptorhynchus baudinii*
White-tailed Black-cockatoo
VU²¹ C2a
Australia
- Calyptorhynchus lathami*
Glossy Black-cockatoo
VU²¹ C2a
Australia
- Calyptorhynchus latirostris*
Slender-billed Black-cockatoo
VU²¹ C2a
Australia
- Chamosyna amabilis*
Red-throated Lorikeet
VU²¹ C2a, D1
Fiji
- Chamosyna diadema*
New Caledonian Lorikeet
EN²¹ D1
New Caledonia (ex?)
- Chamosyna taxopei*
Blue-fronted Lorikeet
VU²¹ B1+2c, C1+2b, D1
Indonesia
- Cyanopsitta spixii*
Spix's Macaw
CR²¹ D1
Brazil
- Cyanoramphus cookii*
Norfolk Island Parakeet
CR²¹ D1
Norfolk Island
- Cyanoramphus unicolor*
Antipodes Parakeet
VU²¹ D2
New Zealand
- Eos cyanogenia*
Black-winged Lory
VU²¹ A1cd, B1+2c, C1
Indonesia
- Eos histria*
Red-and-blue Lory
EN²¹ A1cd+2cd, B1+2cde, C1
Indonesia
- Eunymphicus cornutus*
Horned Parakeet
VU²¹ C1
New Caledonia
- Forpus xanthops*
Yellow-faced Parrotlet
VU²¹ A1ad, B1+2ce, C1+2a
Peru



- Geopsittacus occidentalis*
Night Parrot
CR²¹ C2a
Australia
- Hapalopsittaca amazonina*
Rusty-faced Parrot
EN²¹ C1
Colombia, Ecuador, Venezuela
- Hapalopsittaca fuertesi*
Fuertes's Parrot
CR²¹ D1
Colombia
- Hapalopsittaca pyrrhops*
Red-faced Parrot
EN²¹ A2c, C1+2a
Ecuador, Peru
- Lathamus discolor*
Swift Parrot
VU²¹ B1+2c, C2b
Australia
- Leptosittaca branickii*
Golden-plumed Parakeet
VU²¹ A1c+2c, C1+2a
Colombia, Ecuador, Peru
- Loriculus catamene*
Sangihe Hanging-parrot
EN²¹ B1+2c, C1+2b
Indonesia
- Loriculus flosculus*
Wallace's Hanging-parrot
VU²¹ B1+2c, C1+2a
Indonesia
- Lorius domicella*
Purple-naped Lory
VU²¹ B1+2e, C1
Indonesia
- Lorius garrulus*
Chattering Lory
VU²¹ A2cd
Indonesia
- Neophema chrysogaster*
Orange-bellied Parrot
EN²¹ D1
Australia *
- Neophema splendida*
Scarlet-chested Parrot
VU²¹ B2c+3d
Australia
- Nestor meridionalis*
New Zealand Kaka
VU²¹ C2a
New Zealand
- Ognorhynchus icterotis*
Yellow-eared Parrot
CR²¹ C2a
Colombia, Ecuador
- Polytelis alexandrae*
Alexandra's Parrot
VU²¹ B2c+3d, C2a
Australia
- Polytelis swainsonii*
Superb Parrot
VU²¹ C2b
Australia
- Prioniturus luconensis*
Green Racquet-tail
EN²¹ A1cd, C2a
Philippines
- Prioniturus montanus*
Luzon Racquet-tail
VU²¹ A2cd, C1+2a
Philippines
- Prioniturus platenae*
Blue-headed Racquet-tail
VU²¹ C1+2a
Philippines
- Prioniturus verticalis*
Blue-winged Racquet-tail
EN²¹ C2a
Philippines
- Prioniturus waterstradii*
Mindanao Racquet-tail
VU²¹ C2a
Philippines
- Psephotus chrysopterygius*
Golden-shouldered Parrot
EN²¹ C2b
Australia
- Psittacula echo*
Mauritius Parakeet
CR²¹ D1
Mauritius
- Psittacula intermedia*
Intermediate Parakeet
VU²¹ D1
India?
- Psittaculirostris salvadorii*
Salvadori's Fig-parrot
VU²¹ A2cd
Indonesia
- Psitteuteles iris*
Iris Lorikeet
VU²¹ C1+2a
Indonesia
- Psittichas fulgidus*
Pesquet's Parrot
VU²¹ A1d+2cd
Indonesia, Papua New Guinea
- Pyrrhura albipectus*
White-necked Parakeet
VU²¹ C2a
Ecuador
- Pyrrhura calliptera*
Flame-winged Parakeet
VU²¹ A1c+2c, C1+2a
Colombia
- Pyrrhura cruentata*
Blue-chested Parakeet
VU²¹ A1c, B1+2c, C2a
Brazil
- Pyrrhura orcesi*
El Oro Parakeet
VU²¹ B1+2c, C2a
Ecuador
- Pyrrhura viridicata*
Santa Marta Parakeet
VU²¹ C1+2b
Colombia
- Rhynchopsitta pachyrhyncha*
Thick-billed Parrot
EN²¹ A2c, C1+2a
Mexico, USA [int]
- Rhynchopsitta terrisi*
Maroon-fronted Parrot
VU²¹ B1+2c, C2a
Mexico
- Tanygnathus gramineus*
Black-lored Parrot
VU²¹ D2
Indonesia
- Tanygnathus lucionensis*
Blue-naped Parrot
EN²¹ A1cd
Indonesia, Malaysia, Philippines
- Touit melanonota*
Brown-backed Parrotlet
EN²¹ C2a
Brazil
- Touit stictopectera*
Spot-winged Parrotlet
VU²¹ C2a
Colombia, Ecuador, Peru
- Touit surda*
Golden-tailed Parrotlet
EN²¹ C2a
Brazil
- Trichoglossus johnstoniae*
Mindanao Lorikeet
VU²¹ C1+2a
Philippines
- Tricharia malachitacea*
Blue-bellied Parrot
EN²¹ C2a
Argentina, Brazil
- Vini kuhlii*
Kuhl's Lorikeet
EN²¹ B1+2e, C2a
French Polynesia, Kiribati [int]
- Vini peruviana*
Blue Lorikeet
VU²¹ B1+2d, C2a
Cook Islands, French Polynesia

Vini stephensi

Henderson Lorikeet
VU²¹ D2
 Pitcairn Islands

Vini ultramarina

Ultramarine Lorikeet
EN²¹ B1+2bd
 French Polynesia

Order **CUCULIFORMES**

Family **MUSOPHAGIDAE**

Tauraco bannermani

Bannerman's Turaco
VU²¹ A1c, B1+2b, C2b
 Cameroon

Tauraco ruspolii

Prince Ruspoli's Turaco
EN²¹ C2a
 Ethiopia

Family **CUCULIDAE**

Carpococcyx radiceus

Sunda Ground-cuckoo
VU²¹ C2a
 Brunei, Indonesia, Malaysia

Centropus chlororhynchus

Green-billed Coucal
EN²¹ B1+2c
 Sri Lanka

Centropus nigrorufus

Sunda Coucal
VU²¹ A1c, C1+2a
 Indonesia

Centropus steerii

Black-hooded Coucal
CR²¹ A1c, C1+2a, D1
 Philippines

Coccyzus ferrugineus

Cocos Cuckoo
VU²¹ D2
 Costa Rica

Hytornis rufifigularis

Rufous-breasted Cuckoo
VU²¹ A1acd, C1+2a
 Dominican Republic, Haiti

Neomorphus radiolosus

Banded Ground-cuckoo
EN²¹ C2a
 Colombia, Ecuador

Phaenicophaeus pyrrhocephalus

Red-faced Malkoha
VU²¹ A1c, C1+2a
 Sri Lanka

Order **STRIGIFORMES**

Family **TYTONIDAE**

Phodilus prigoginei

Congo Bay-owl
VU²¹ B1+2ac, C2a
 Burundi?, Zaire

Tyto aurantia

Bismarck Masked-owl
VU²¹ C2b
 Papua New Guinea

Tyto manusi

Manus Masked-owl
VU²¹ D1
 Papua New Guinea

Tyto nigrobrunnea

Taliabu Masked-owl
VU²¹ C2b, D1
 Indonesia

Tyto soumagnei

Madagascar Red Owl
EN²¹ C2a
 Madagascar (ex?)

Family **STRIGIDAE**

Athene blewitti

Forest Owlet
CR²¹ D1
 India (ex?)

Bubo philippensis

Philippine Eagle-owl
EN²¹ C2a
 Philippines

Bubo vosseleri

Usambara Eagle-owl
VU²¹ B1+2ac, C2b
 Tanzania

Glaucidium albertinum

Albertine Owlet
VU²¹ B1+2acd
 Rwanda, Zaire

Ketupa blakistoni

Blakiston's Fish-owl
EN²¹ C1+2a
 China, Japan, Russia

Mimizuku gurneyi

Lesser Eagle-owl
EN²¹ C2a
 Philippines

Nesasio solomonensis

Fearful Owl
VU²¹ C2a
 Papua New Guinea, Solomon Islands

Ninox rudolfi

Sumba Boobook
VU²¹ B1+2c, C1
 Indonesia

Ninox strenua

Powerful Owl
VU²¹ C2b
 Australia

Otus angelinae

Javan Scops-owl
VU²¹ D1+2
 Indonesia

Otus capnodes

Anjouan Scops-owl
CR²¹ C2a
 Comoros

Otus fuliginosus

Palawan Scops-owl
VU²¹ A1c+2c, C1+2a
 Philippines

Otus insularis

Seychelles Scops-owl
CR²¹ C2b
 Seychelles

Otus ireneae

Sokoce Scops-owl
VU²¹ D2
 Kenya, Tanzania?

Otus longicornis

Luzon Scops-owl
VU²¹ C2a
 Philippines

Otus mindorensis

Mindoro Scops-owl
VU²¹ A1c, B1+2c, C1+2a
 Philippines

Otus mirus

Mindanao Scops-owl
VU²¹ B1+2c, C1+2a
 Philippines

Otus pauliani

Grand Comoro Scops-owl
CR²¹ B1+2abc, C2b
 Comoros

Otus sagittatus

White-fronted Scops-owl
VU²¹ A1c+2c, C1+2a
 Indonesia, Malaysia, Myanmar,
 Thailand

Scotopelia ussheri

Rufous Fishing-owl
EN²¹ C2a
 Côte d'Ivoire, Ghana, Guinea,
 Liberia, Sierra Leone

Strix davidi

Sichuan Wood-owl
VU²¹ C1+2a
 China



Order CAPRIMULGIFORMES

Family AEGOTHELIDAE

Aegotheles savesi

New Caledonian Owlet-nightjar

EN²¹ D1

New Caledonia

Family CAPRIMULGIDAE

Caprimulgus candicans

White-winged Nightjar

CR²¹ C2b

Bolivia, Brazil, Paraguay?

Caprimulgus centralasicus

Vaurie's Nightjar

VU²¹ D1

China

Caprimulgus noctitherus

Puerto Rican Nightjar

CR²¹ B1+2c

Puerto Rico

Caprimulgus prigoginei

Itombwe Nightjar

VU²¹ B1+2ac

Zaire

Eurostopodus diabolicus

Satanic Eared-nightjar

VU²¹ D1

Indonesia

Siphonorhis americanus

Jamaican Pauraque

CR²¹ D1

Jamaica

Order APODIFORMES

Family APODIDAE

Apus acuticauda

Dark-rumped Swift

VU²¹ D2

India

Collocalia elaphra

Seychelles Swiftlet

VU²¹ D1

Seychelles

Collocalia leucophaeus

Tahiti Swiftlet

VU²¹ D1

French Polynesia

Collocalia sawtelli

Atiu Swiftlet

VU²¹ D1+2

Cook Islands

Collocalia vulcanorum

Volcano Swiftlet

VU²¹ D1+2

Indonesia

Collocalia whiteheadi

Whitehead's Swiftlet

VU²¹ B1+2c, C2a

Philippines

Cypseloides lemosi

White-chested Swift

VU²¹ C2b

Colombia, Ecuador?

Schoutedenapus schoutedeni

Schouteden's Swift

VU²¹ B1+2ac, C2b

Zaire

Family TROCHILIDAE

Acestrura berlepschi

Esmeraldas Woodstar

EN²¹ C2b

Ecuador

Acestrura bombus

Little Woodstar

EN²¹ C2b

Ecuador, Peru

Aglaeactis aliciae

Purple-backed Sunbeam

VU²¹ D2

Peru

Amazilia boucardi

Mangrove Hummingbird

VU²¹ B1+2c, C2b

Costa Rica

Amazilia castaneiventris

Chestnut-bellied Hummingbird

EN²¹ A1c

Colombia

Amazilia distans

Táchira Emerald

EN²¹ A2c

Venezuela

Amazilia luciae

Honduran Emerald

CR²¹ A2c

Honduras

Campylopterus ensipennis

White-tailed Sabrewing

VU²¹ A2c

Trinidad and Tobago, Venezuela

Coeligena prunellei

Black Inca

VU²¹ A1c+2c, C1+2a

Colombia

Eriocnemis godini

Turquoise-throated Puffleg

CR²¹ B1+2c, C2b, D1

Colombia, Ecuador

Eriocnemis mirabilis

Colourful Puffleg

VU²¹ D1+2

Colombia

Eriocnemis nigrivestis

Black-breasted Puffleg

CR²¹ A2c, B1+2c

Ecuador

Eulidia yarrellii

Chilean Woodstar

VU²¹ B1+2c, C2b

Chile, Peru

Eupherusa cyanophrys

Oaxaca Hummingbird

EN²¹ A2c, B1+2c

Mexico

Eupherusa poliocerca

White-tailed Hummingbird

EN²¹ A2c

Mexico

Heliangelus regalis

Royal Sunangel

VU²¹ A2c, B1+2c, C1+2a

Peru

Heliangelus zusii

Bogotá Sunangel

CR²¹ D1

Colombia

Hylonompha macrocerca

Scissor-tailed Hummingbird

CR²¹ B1+2c

Venezuela

Lepidopyga lilliae

Sapphire-bellied Hummingbird

CR²¹ C2b, D1

Colombia

Loddigesia mirabilis

Marvellous Spatuletail

VU²¹ B1+2c, C2b

Peru

Lophornis brachylopha

Short-crested Coquette

EN²¹ A2c, B1+2c

Mexico

Metallura baroni

Violet-throated Metaltail

VU²¹ B1+2c, C2a

Ecuador

Ramphodon dohrnii

Hook-billed Hermit

CR²¹ C2a

Brazil

Selasphorus ardens

Glow-throated Hummingbird

VU²¹ D1+2

Panama

Sephanoides fernandensis

Juan Fernández Firecrown

CR²¹ B1+2c

Chile (Juan Fernandez Is)

Taphroesbia griseiventris

Grey-bellied Comet
VU²¹ D1+2
 Peru

Thalurania ridgwayi

Mexican Woodnymph
VU²¹ B1+2c
 Mexico

Order **TROGONIFORMES**

Family **TROGONIDAE**

Euptilotis neoxenus

Eared Quetzal
EN²¹ C2b
 Mexico, USA

Harpactes wardi

Ward's Trogon
VU²¹ C1+2a
 Bhutan, China, India, Myanmar,
 Viet Nam

Order **CORACIIFORMES**

Family **ALCEDINIDAE**

Actenoides bougainvillei

Moustached Kingfisher
VU²¹ C2a
 Papua New Guinea, Solomon Islands

Actenoides hombroni

Blue-capped Kingfisher
VU²¹ A2c, B1+2c, C1+2a
 Philippines

Alcedo argentata

Silvery Kingfisher
EN²¹ C2a
 Philippines

Alcedo hercules

Blyth's Kingfisher
VU²¹ A1c+2c, C1+2a
 Bangladesh, Bhutan, China, India,
 Laos, Myanmar, Nepal?, Thailand,
 Viet Nam

Ceyx melanurus

Philippine Kingfisher
VU²¹ A1c+2c, C1+2a
 Philippines

Todirhamphus farquhari

Chestnut-bellied Kingfisher
VU²¹ A2c, C1+2a
 Vanuatu

Todirhamphus gambieri

Tuamotu Kingfisher
VU²¹ D1+2
 French Polynesia

Todirhamphus godeffroyi

Marquesan Kingfisher
EN²¹ B1+2c
 French Polynesia

Todirhamphus lazuli

Lazuli Kingfisher
VU²¹ B1+2c, C1+2a
 Indonesia

Todirhamphus ruficollaris

Mangaia Kingfisher
VU²¹ D1+2
 Cook Islands

Todirhamphus winchelli

Rufous-lored Kingfisher
EN²¹ A1c+2c
 Philippines

Family **CORACIIDAE**

Atelornis crossleyi

Rufous-headed Ground-roller
VU²¹ C2a
 Madagascar

Brachypteracias leptosomus

Short-legged Ground-roller
VU²¹ A2c, C1+2a
 Madagascar

Brachypteracias squamigera

Scaly Ground-roller
VU²¹ A2c, C1+2a
 Madagascar

Uratelornis chimaera

Long-tailed Ground-roller
VU²¹ B1+2ce, C2b
 Madagascar

Family **BUCEROTIDAE**

Aceros corrugatus

Wrinkled Hornbill
VU²¹ A1c+2c, C1+2a
 Brunei, Indonesia, Malaysia,
 Thailand

Aceros everetti

Sumba Hornbill
VU²¹ B1+2c, C1
 Indonesia

Aceros leucocephalus

Writhed Hornbill
EN²¹ A1cd
 Philippines

Aceros narcondami

Narcondam Hornbill
VU²¹ D1+2
 India (Andaman & Nicobar Is)

Aceros nipalensis

Rufous-necked Hornbill
VU²¹ A1cd, C1+2a
 Bangladesh, Bhutan, China, India,
 Laos, Myanmar, Nepal (ex?),
 Thailand, Viet Nam

Aceros subruficollis

Plain-pouched Hornbill
VU²¹ C1+2a
 India, Indonesia, Myanmar, Thailand

Aceros waldeni

Writhed-billed Hornbill
CR²¹ A1c+2c, B1+2ce, C1
 Philippines

Anthracoceros montani

Sulu Hornbill
CR²¹ A1cd, C1
 Philippines

Penelopides mindorensis

Mindoro Hornbill
EN²¹ A1c, B1+2c, C1+2a
 Philippines

Penelopides panini

Visayan Hornbill
CR²¹ A1cd+2cd, B1+2ce, C1+2a
 Philippines

Order **PICIFORMES**

Family **GALBULIDAE**

Galbula pastazae

Coppery-chested Jacamar
VU²¹ C2a
 Brazil?, Colombia, Ecuador

Jacamaralcyon tridactyla

Three-toed Jacamar
EN²¹ C2a
 Brazil

Family **CAPITONIDAE**

Capito hypoleucus

White-mantled Barbet
EN²¹ C2a
 Colombia

Capito quinticolor

Five-coloured Barbet
VU²¹ A1c+2c, C1+2a
 Colombia

Pogoniulus makawai

White-chested Tinkerbird
VU²¹ D1
 Zambia

Family **INDICATORIDAE**

Melignomon eisentrauti

Yellow-footed Honeyguide
VU²¹ A2c
 Cameroon, Côte d'Ivoire?, Ghana,
 Guinea?, Liberia, Sierra Leone

Family **PICIDAE**

Campephilus imperialis

Imperial Woodpecker
CR²¹ D1
 Mexico

Colaptes fernandinae

Cuban Flicker
EN²¹ C2a
 Cuba



Dryocopus galeatus
 Helmeted Woodpecker
 EN²¹ C2a
 Argentina, Brazil, Paraguay

Picoides borealis
 Red-cockaded Woodpecker
 VU²¹ A1c+2c, B1+2bcd, C1+2a
 USA

Picumnus fulvescens
 Tawny Piculet
 VU²¹ B1+2c
 Brazil

Picumnus limae
 Ochraceous Piculet
 VU²¹ B1+2c
 Brazil

Picus rabieri
 Red-collared Woodpecker
 VU²¹ A1c
 China, Laos, Viet Nam

Sapheopipo noguchii
 Okinawa Woodpecker
 CR²¹ B1+2c, C2b
 Japan (Nansei-shoto)

Order PASSERIFORMES

Family EURYLAIMIDAE

Eurylaimus steerii
 Wattled Broadbill
 VU²¹ A1c+2c, C1+2a
 Philippines

Pseudocalyptomena graueri
 African Green Broadbill
 VU²¹ B1+2ac
 Uganda, Zaire

Family DENDROCOLAPTIDAE

Xiphocolaptes falcirostris
 Moustached Woodcreeper
 VU²¹ B1+2c, C2a
 Brazil

Family FURNARIIDAE

Aphrastura masafuerae
 Más Afuera Rayadito
 VU²¹ D1+2
 Chile (Juan Fernandez Is)

Asthenes anthoides
 Austral Canastero
 VU²¹ C2a
 Argentina, Chile

Asthenes berlepschi
 Berlepsch's Canastero
 VU²¹ D1+2
 Bolivia

Asthenes heterura
 Maquis Canastero
 VU²¹ A1c, C1+2a
 Bolivia

Asthenes huancavelicae
 Pale-tailed Canastero
 VU²¹ C1
 Peru

Asthenes luizae
 Cipó Canastero
 EN²¹ C1+2b
 Brazil

Asthenes steinbachi
 Chestnut Canastero
 VU²¹ A1c, C2a
 Argentina

Cinclodes aricomae
 Royal Cinclodes
 CR²¹ C2a
 Bolivia, Peru

Cinclodes palliatus
 White-bellied Cinclodes
 VU²¹ D1
 Peru

Hylocryptus erythrocephalus
 Henna-hooded Foliage-gleaner
 VU²¹ A1c+2c, C1+2a
 Ecuador, Peru

Leptasthenura xenothorax
 White-browed Tit-spinetail
 CR²¹ C2a
 Peru

Megaxenops paraguayae
 Great Xenops
 VU²¹ A1c+2c, C1+2a
 Brazil

Philydor novaesi
 Alagoas Foliage-gleaner
 CR²¹ B1+2c
 Brazil

Premnoplex tatei
 White-throated Barbtail
 EN²¹ B1+2c, C2a
 Venezuela

Simoxenops striatus
 Bolivian Recurvebill
 VU²¹ A2c, B1+2bc, C1+2a
 Bolivia

Synallaxis courseni
 Apurímac Spinetail
 VU²¹ D1+2
 Peru

Synallaxis hellmayri
 Red-shouldered Spinetail
 VU²¹ C2a
 Brazil

Synallaxis infuscata
 Plain Spinetail
 EN²¹ B1+2c, C1
 Brazil

Synallaxis kollari
 Hoary-throated Spinetail
 VU²¹ D2
 Brazil, Guyana

Synallaxis tithys
 Blackish-headed Spinetail
 VU²¹ A1c+2c, B1+2c, C1+2a
 Ecuador, Peru

Synallaxis zimmeri
 Russet-bellied Spinetail
 EN²¹ B1+2c, C2b
 Peru

Syndactyla ruficollis
 Rufous-necked Foliage-gleaner
 VU²¹ A1c+2c, C1+2a
 Ecuador, Peru

Thripophaga cherriei
 Orinoco Softtail
 VU²¹ D2
 Venezuela

Thripophaga macroura
 Striated Softtail
 VU²¹ C1+2a
 Brazil

Family FORMICARIIDAE

Biatas nigropectus
 White-bearded Antshrike
 VU²¹ C2a
 Argentina, Brazil

Cercomacra carbonaria
 Rio Branco Antbird
 VU²¹ D2
 Brazil, Guyana

Clytoctantes alixii
 Recurve-billed Bushbird
 EN²¹ C1+2a
 Colombia, Venezuela

Dysithamnus occidentalis
 Bicoloured Antvireo
 VU²¹ C1+2a
 Colombia, Ecuador

Dysithamnus plumbeus
 Plumbeous Antvireo
 VU²¹ A1c+2c, B1+2c, C1+2a
 Brazil

Formicarius rufifrons
 Rufous-fronted Antthrush
 VU²¹ A2c, C1+2b
 Peru

Formicivora erythronotos
 Black-hooded Antwren
 CR²¹ A2c, C1+2a, D1
 Brazil

Formicivora iheringi
Narrow-billed Antwren
VU²¹ B1+2c, C1+2a
Brazil

Formicivora littoralis
Restinga Antwren
EN²¹ A2c, B1+2bc, C1+2a
Brazil

Grallaria alleni
Moustached Antpitta
EN²¹ B1+2c, C2a
Colombia

Grallaria chthonia
Táchira Antpitta
VU²¹ D1+2
Venezuela

Grallaria gigantea
Giant Antpitta
VU²¹ A1c+2c, C1+2a
Colombia, Ecuador

Grallaria kaestneri
Cundinamarca Antpitta
VU²¹ D2
Colombia

Grallaria milleri
Brown-banded Antpitta
EN²¹ B1+2c
Colombia

Grallaria rufocinerea
Bicoloured Antpitta
EN²¹ C2a
Colombia

Grallaricula cucullata
Hooded Antpitta
VU²¹ A1c+2c, C1+2a
Colombia, Venezuela

Herpsilochmus parkeri
Ash-throated Antwren
VU²¹ D2
Peru

Herpsilochmus pectoralis
Pectoral Antwren
VU²¹ A2c, B1+2c, C1+2a
Brazil

Myrmeciza griseiceps
Grey-headed Antbird
EN²¹ A2c
Ecuador, Peru

Myrmeciza ruficauda
Scalloped Antbird
VU²¹ A1c+2c, B1+2c, C1+2a
Brazil

Myrmoborus melanurus
Black-tailed Antbird
VU²¹ C2b
Peru

Myrmotherula fluminensis
Rio de Janeiro Antwren
VU²¹ A1c+2c, B1+2c, C1+2a
Brazil

Myrmotherula grisea
Ashy Antwren
VU²¹ A1c+2c, C1+2a
Bolivia

Myrmotherula minor
Salvadori's Antwren
VU²¹ B1+2c, C2a
Brazil

Myrmotherula snowi
Alagoas Antwren
CR²¹ B1+2c
Brazil

Myrmotherula unicolor
Unicoloured Antwren
VU²¹ B1+2c, C2a
Brazil

Myrmotherula urosticta
Band-tailed Antwren
VU²¹ B1+2c, C2a
Brazil

Pyriglena atra
Fringe-backed Fire-eye
EN²¹ A1c+2c, B1+2c, C1+2b
Brazil

Rhopornis ardesiaca
Slender Antbird
EN²¹ A2c, B1+2c
Brazil

Terenura sharpei
Yellow-rumped Antwren
VU²¹ A1c+2c, C1+2a
Bolivia, Peru

Terenura sicki
Orange-bellied Antwren
VU²¹ A1c+2c, B1+2c, C1+2a
Brazil

Xenornis setifrons
Speckled Antshrike
VU²¹ C2a
Colombia, Panama

Family RHINOCRYPTIDAE

Merulaxis stresemanni
Stresemann's Bristlefront
CR²¹ C2a
Brazil

Scytalopus novacapitalis
Brasília Tapaculo
VU²¹ A1c+2c
Brazil

Scytalopus psychopompus
Bahia Tapaculo
EN²¹ B1+2c, C1+2a
Brazil

Family COTINGIDAE

Calyptura cristata
Kinglet Calyptura
CR²¹ C2a, D1
Brazil

Carpodectes antoniae
Yellow-billed Cotinga
VU²¹ A1c+2c, C1+2a
Costa Rica, Panama

Carpornis melanocephalus
Black-headed Berryeater
VU²¹ C1+2a
Brazil

Cephalopterus glabricollis
Bare-necked Umbrellabird
VU²¹ A1c+2c, C1+2a
Costa Rica, Panama

Cephalopterus penduliger
Long-wattled Umbrellabird
VU²¹ C2a
Colombia, Ecuador

Cotinga maculata
Banded Cotinga
EN²¹ B1+2c, C1
Brazil

Cotinga ridgwayi
Turquoise Cotinga
VU²¹ C2b
Costa Rica, Panama

Doliornis remseni
Chestnut-bellied Cotinga
VU²¹ A1c+2c, B1+2c, C1+2a
Colombia, Ecuador, Peru

Iodopleura pipra
Buff-throated Purpletuft
VU²¹ A1c+2c, C1+2a
Brazil

Laniisoma elegans
Shrike-like Cotinga
VU²¹ A1c+2c, C1+2a
Brazil

Lipaugus lanioides
Cinnamon-vented Piha
VU²¹ A1c+2c, C1+2a
Brazil

Procnias tricarunculata
Three-wattled Bellbird
VU²¹ A1c+2c
Costa Rica, Honduras, Nicaragua,
Panama

Tijuca condita
Grey-winged Cotinga
VU²¹ D1+2
Brazil

Xipholena atropurpurea
White-winged Cotinga
VU²¹ A1c+2c, B1+2c, C1+2a
Brazil

**Zaratornis stresemanni**

White-cheeked Cotinga
VU²¹ B1+2c, C2a
 Peru

Family **PIPRIDAE****Pipra vilasboasi**

Golden-crowned Manakin
VU²¹ C2b
 Brazil

Piprites pileatus

Black-capped Manakin
VU²¹ B1+2c, C1+2a
 Argentina, Brazil

Family **TYRANNIDAE****Agriornis andicola**

White-tailed Shrike-tyrant
VU²¹ A1a, C2a
 Argentina, Bolivia, Chile, Ecuador,
 Peru

Alectrurus risora

Strange-tailed Tyrant
VU²¹ A1ac+2c, C1+2a
 Argentina, Brazil (ex?), Paraguay,
 Uruguay (ex?)

Anairetes alpinus

Ash-breasted Tit-tyrant
EN²¹ B1+2c, C2a
 Bolivia, Peru

Attila torridus

Ochraceous Attila
VU²¹ A1c+2c, B1+2c, C1+2a
 Colombia, Ecuador, Peru

Euscarthmus rufomarginatus

Rufous-sided Pygmy-tyrant
VU²¹ A1c+2c
 Bolivia, Brazil, Paraguay, Suriname

Hemitriccus furcatus

Fork-tailed Pygmy-tyrant
VU²¹ C2a
 Brazil

Hemitriccus kaempferi

Kaempfer's Tody-tyrant
EN²¹ C1
 Brazil

Hemitriccus mirandae

Buff-breasted Tody-tyrant
VU²¹ A1c+2c, B1+2c, C1
 Brazil

Heteroxolmis dominicana

Black-and-white Monjita
VU²¹ A1c+2c
 Argentina, Brazil, Paraguay, Uruguay

Lathrotriccus griseipectus

Grey-breasted Flycatcher
VU²¹ A1c+2c, B1+2c, C1+2a
 Ecuador, Peru

Myiotheretes pernix

Santa Marta Bush-tyrant
VU²¹ C2b
 Colombia

Nesotriccus ridgwayi

Cocos Flycatcher
VU²¹ D2
 Costa Rica

Onychorhynchus occidentalis

Pacific Royal Flycatcher
VU²¹ C2a
 Ecuador, Peru

Onychorhynchus swainsoni

Atlantic Royal Flycatcher
EN²¹ C2a
 Brazil

Phylloscartes ceciliae

Alagoas Tyrannulet
EN²¹ B1+2c, C1
 Brazil

Phylloscartes kronei

Restinga Tyrannulet
VU²¹ A1c+2c, C1+2a
 Brazil

Phylloscartes lanyoni

Antioquia Bristle-tyrant
EN²¹ A1c+2c
 Colombia

Phylloscartes paulistus

São Paulo Tyrannulet
VU²¹ A1c+2c, C1+2a
 Argentina?, Brazil, Paraguay

Phylloscartes roquettei

Minas Gerais Tyrannulet
EN²¹ B1+2c
 Brazil

Platyrinchus leucoryphus

Russet-winged Spadebill
VU²¹ A1c+2c, B1+2c, C1+2a
 Argentina?, Brazil, Paraguay

Pseudocolopteryx dinellianus

Dinelli's Doradito
VU²¹ C1+2a
 Argentina, Bolivia, Paraguay

Tyrannus cubensis

Giant Kingbird
EN²¹ C2a
 Bahamas (ex), Cuba, Turks and
 Caicos Islands

Family **PHYTOTOMIDAE****Phytotoma raimondii**

Peruvian Plantcutter
CR²¹ A2c
 Peru

Family **PITTIDAE****Pitta anerythra**

Black-faced Pitta
VU²¹ C2a
 Papua New Guinea, Solomon Islands

Pitta gurneyi

Gurney's Pitta
CR²¹ A1c, B1+2c, C1
 Myanmar (ex?), Thailand

Pitta kochi

Whiskered Pitta
VU²¹ B1+2c, C1+2a
 Philippines

Pitta nympha

Fairy Pitta
VU²¹ C1+2a
 China, Japan, South Korea, Taiwan.
 * Brunei, Indonesia, Malaysia,
 Viet Nam

Pitta schneideri

Schneider's Pitta
VU²¹ C1+2a
 Indonesia

Pitta steerii

Azure-breasted Pitta
VU²¹ A1c+2c, C1+2a
 Philippines

Pitta superba

Superb Pitta
VU²¹ D1
 Papua New Guinea

Family **PHILEPITTIDAE****Neodrepanis hypoxanthus**

Yellow-bellied Asity
EN²¹ C2a
 Madagascar

Family **ATRICHORNITHIDAE****Atrichornis clamorus**

Noisy Scrub-bird
VU²¹ D1+2
 Australia

Atrichornis rufescens

Rufous Scrub-bird
VU²¹ B1+2c, C2a
 Australia

Family **ALAUDIDAE****Alauda razae**

Raso Lark
EN²¹ D1
 Cape Verde

Certhilauda burra

Red Lark
VU²¹ B1+2c, C2b
 Namibia, South Africa

Heteromiraфра archeri

Archer's Lark
EN²¹ B1+2ac, C2a
Somalia

Heteromiraфра ruddi

Rudd's Lark
CR²¹ A2c
Lesotho, South Africa, Swaziland

Heteromiraфра sidamoensis

Sidamo Lark
EN²¹ B1+2ac, C2b
Ethiopia

Miraфра ashi

Ash's Lark
EN²¹ B1+2ac, C2b
Somalia

Miraфра degodiensis

Degodi Lark
VU²¹ D1+2
Ethiopia

Spizocorys fringillaris

Botha's Lark
VU²¹ A2c, C1+2b
South Africa

Family **HIRUNDINIDAE**

Hirundo atrocaerulea

Blue Swallow
VU²¹ A1c+2c, C1+2a
Malawi, Mozambique, South Africa,
Swaziland, Tanzania, Zambia,
Zimbabwe. * Kenya, Uganda, Zaire

Hirundo megaensis

White-tailed Swallow
VU²¹ B1+2abc, C2b
Ethiopia

Hirundo perditā

Red Sea Swallow
VU²¹ D1
Sudan?

Pseudochelidon sirintarae

White-eyed River-martin
CR²¹ D1
Thailand

Family **MOTACILLIDAE**

Anthus chloris

Yellow-breasted Pipit
VU²¹ B1+2c
Lesotho, South Africa

Anthus nattereri

Ochre-breasted Pipit
EN²¹ C2a
Argentina, Brazil, Paraguay

Anthus sokokensis

Soko Pipit
VU²¹ B1+2abc, C2a
Kenya, Tanzania (ex?)

Family **CAMPEPHAGIDAE**

Campephaga lobata

Western Wattled Cuckoo-shrike
VU²¹ A1c+2c
Côte d'Ivoire, Ghana, Guinea,
Liberia, Sierra Leone

Coracina fortis

Buru Cuckoo-shrike
VU²¹ B1+2c, C1+2b
Indonesia

Coracina mcgregori

McGregor's Cuckoo-shrike
VU²¹ B1+2c, C1+2a
Philippines

Coracina mindanensis

Black-bibbed Cicadabird
VU²¹ C1+2a
Philippines

Coracina newtoni

Réunion Cuckoo-shrike
EN²¹ D1
Réunion

Coracina ostenta

White-winged Cuckoo-shrike
VU²¹ A2c, B1+2c
Philippines

Coracina typica

Mauritius Cuckoo-shrike
VU²¹ D1
Mauritius

Family **PYCNONOTIDAE**

Bleda eximia

Green-tailed Bristlebill
VU²¹ A1c+2c
Côte d'Ivoire, Ghana, Guinea,
Liberia, Sierra Leone

Chlorocichla prigoginei

Prigogine's Greenbul
VU²¹ B1+2abcde, C2a
Zaire

Criniger olivaceus

Yellow-throated Olive Greenbul
VU²¹ A1c+2c
Côte d'Ivoire, Ghana, Guinea,
Liberia, Mali, Senegal, Sierra Leone

Hypsipetes nicobariensis

Nicobar Bulbul
VU²¹ A1e, B1+2e, C1+2a
India

Hypsipetes olivaceus

Mauritius Bulbul
VU²¹ D1
Mauritius

Ixos siquijorensis

Streak-breasted Bulbul
EN²¹ B1+2c
Philippines

Phyllastrephus apperti

Appert's Greenbul
VU²¹ B1+2abcd, C1+2a, D1
Madagascar

Phyllastrephus cinereiceps

Grey-crowned Greenbul
VU²¹ B1+2c, C2a
Madagascar

Phyllastrephus leucolepis

Liberian Greenbul
CR²¹ A2c, C1+2b
Liberia

Phyllastrephus tenebrosus

Dusky Greenbul
EN²¹ C2a
Madagascar

Pycnonotus tympanistrigus

Spot-necked Bulbul
VU²¹ C1+2a
Indonesia

Pycnonotus zeylanicus

Straw-headed Bulbul
VU²¹ A1cd
Brunei, Indonesia, Malaysia,
Myanmar, Thailand

Family **IRENIDAE**

Chloropsis flavipennis

Philippine Leafbird
EN²¹ C1
Philippines

Family **LANIIDAE**

Laniarius amboimensis

Gabela Bush-shrike
EN²¹ B1+2c, C1
Angola

Laniarius brauni

Orange-breasted Bush-shrike
EN²¹ B1+2c
Angola

Laniarius liberatus

Bulo Burti Bush-shrike
CR²¹ D1
Somalia

Lanius newtoni

São Tomé Fiscal Shrike
CR²¹ D1
São Tomé & Príncipe (São Tomé
(ex?))

Malacnotus alius

Uluguru Bush-shrike
CR²¹ C2b
Tanzania

Malacnotus gladiator

Green-breasted Bush-shrike
VU²¹ C2a
Cameroon, Nigeria?



Malaconotus monteiri
Monteiro's Bush-shrike
EN²¹ C2a
Angola, Cameroon (ex?), Kenya

Prionops alberti
Yellow-crested Helmet-shrike
VU²¹ C1+2a
Zaire

Prionops gabela
Gabela Helmet-shrike
EN²¹ B1+2bcd, C2a
Angola

Prionops poliophus
Grey-crested Helmet-shrike
VU²¹ C2b
Kenya, Tanzania

Telophorus kupeensis
Mount Kupe Bush-shrike
CR²¹ D1
Cameroon

Family VANGIDAE

Oriolia bernieri
Bernier's Vanga
VU²¹ C2a
Madagascar

Xenopirostris damii
Van Dam's Vanga
VU²¹ D2
Madagascar

Xenopirostris polleni
Pollen's Vanga
VU²¹ C2a
Madagascar

Family CINCLIDAE

Cinclus schulzi
Rufous-throated Dipper
VU²¹ C2a
Argentina, Bolivia

Family TROGLODYTIDAE

Cistothorus apolinari
Apolinar's Wren
EN²¹ C1+2a
Colombia

Ferminia cerverae
Zapata Wren
CR²¹ C2b
Cuba

Hylorchilus navai
Nava's Wren
VU²¹ A1c+2c, B1+2c, C1+2a
Mexico

Hylorchilus sumichrasti
Sumichrast's Wren
VU²¹ A1c+2c, B1+2c, C1+2a
Mexico

Thryothorus nicefori
Niceforo's Wren
CR²¹ B1+2c
Colombia

Troglodytes cobbi
Cobb's Wren
VU²¹ D2
Falkland Islands

Troglodytes tanneri
Clarión Wren
VU²¹ D1+2
Mexico

Family MIMIDAE

Mimodes graysoni
Socorro Mockingbird
EN²¹ B1+2e, C2b
Mexico

Nesomimus trifasciatus
Floreana Mockingbird
EN²¹ D1
Ecuador (Galápagos Is)

Ramphocinclus brachyurus
White-breasted Thrasher
EN²¹ B1+2c, C1+2a, D1
Martinique, St Lucia

Family MUSCICAPIDAE

Acanthiza iredalei
Slender-billed Thornbill
VU²¹ C2a
Australia

Acrocephalus brevipennis
Cape Verde Warbler
VU²¹ A1ac, B1+2bc, C2b, D1
Cape Verde

Acrocephalus caffer
Tahiti Reed-warbler
VU²¹ D1
French Polynesia

Acrocephalus familiaris
Millerbird
VU²¹ D1+2
USA (Hawaiian Is)

Acrocephalus luscini
Nightingale Reed-warbler
VU²¹ A2e, B1+2cde, C1
Guam (ex), Northern Marianas

Acrocephalus paludicola
Aquatic Warbler
VU²¹ A2c
Austria, Belarus, Germany, Hungary,
Latvia, Lithuania, Moldova, Poland,
Russia, Ukraine. * Belgium,
Bulgaria, Czech Republic, France,
Iran, Italy, Latvia, Mali, Mauritania,
Morocco, Netherlands, Portugal,
Senegal, Spain, Switzerland, United
Kingdom

Acrocephalus rehsei
Nauru Reed-warbler
VU²¹ D2
Nauru

Acrocephalus sorghophilus
Streaked Reed-warbler
VU²¹ B1+2c, C1+2a
China. * Philippines

Acrocephalus vaughani
Pitcairn Reed-warbler
VU²¹ D2
French Polynesia, Pitcairn Islands

Alcippe variegaticeps
Gold-fronted Fulvetta
VU²¹ B1+2c, C1+2a
China

Alethe choloensis
Thyolo Alethe
VU²¹ B1+2c
Malawi, Mozambique

Amaurocichla bocagii
São Tomé Short-tail
VU²¹ D1
São Tomé & Príncipe (São Tomé)

Amytornis dorotheae
Carpentarian Grasswren
VU²¹ B1+2c, C2a
Australia

Amytornis textilis
Thick-billed Grasswren
VU²¹ C2a
Australia

Apalis argentea
Kungwe Apalis
VU²¹ B1+2ace
Burundi, Rwanda, Tanzania, Zaire

Apalis bamendae
Bamenda Apalis
VU²¹ B1+2acd
Cameroon

Apalis chariessa
White-winged Apalis
VU²¹ B1+2bc
Kenya (ex?), Malawi, Mozambique,
Tanzania

Apalis fuscicularis
Taita Apalis
CR²¹ B1+2bc
Kenya

Apalis karamojae
Karamoja Apalis
VU²¹ A2c, B1+2c
Tanzania, Uganda

Apalis lynesii
Namuli Apalis
VU²¹ D2
Mozambique

- Aphelocephala pectoralis***
Chestnut-breasted Whiteface
VU²¹ C2a
Australia
- Arcanator orostruthus***
Dappled Mountain-robin
VU²¹ B1+2bc
Mozambique, Tanzania
- Bathmocercus cerviniventris***
Black-capped Rufous Warbler
VU²¹ C2a
Côte d'Ivoire, Ghana, Guinea,
Liberia, Sierra Leone
- Brberornis rodericanus***
Rodrigues Warbler
CR²¹ D1
Mauritius (Rodrigues)
- Brberornis sechellensis***
Seychelles Warbler
VU²¹ D1+2
Seychelles
- Brachypteryx hyperythra***
Rusty-bellied Shortwing
VU²¹ C1+2a
China, India
- Bradypterus graueri***
Grauer's Swamp-warbler
VU²¹ B1+2ac
Burundi, Rwanda, Uganda, Zaire
- Bradypterus major***
Long-billed Bush-warbler
VU²¹ C2a
China, India, Pakistan
- Chaetornis striatus***
Bristled Grass-warbler
VU²¹ A1c, C1+2a
Bangladesh, India, Nepal, Pakistan
- Chloropeta gracilirostris***
Papyrus Yellow Warbler
VU²¹ B1+2abcd
Burundi, Kenya, Rwanda, Tanzania,
Uganda, Zaire, Zambia
- Chrysomma altirostre***
Jerdon's Babbler
VU²¹ A1c
India, Myanmar (ex?), Nepal,
Pakistan
- Cisticola haesitatus***
Socotra Cisticola
VU²¹ D1
Yemen (Socotra)
- Cochoa azurea***
Javan Cochoa
VU²¹ B1+2c
Indonesia
- Cochoa beccarii***
Sumatran Cochoa
VU²¹ C1+2a
Indonesia
- Copsychus cebuensis***
Black Shama
EN²¹ C2a
Philippines
- Copsychus sechellarum***
Seychelles Magpie-robin
CR²¹ D1
Seychelles
- Cossypha heinrichi***
White-headed Robin-chat
VU²¹ B1+2ac
Angola, Zaire
- Crocias langbianis***
Grey-crowned Crocias
CR²¹ B1+2c
Viet Nam
- Crossleyia xanthophrys***
Madagascar Yellowbrow
VU²¹ C2a
Madagascar
- Cyornis ruckii***
Rueck's Blue-flycatcher
VU²¹ C1, D1
Indonesia, Malaysia?
- Cyornis sanfordi***
Matinan Flycatcher
VU²¹ D2
Indonesia
- Dasyornis brachypterus***
Eastern Bristlebird
VU²¹ B1+2c, C2a
Australia
- Dasyornis broadbenti***
Rufous Bristlebird
VU²¹ B1+2c, C2a
Australia
- Dasyornis longirostris***
Western Bristlebird
EN²¹ B1+2cd, C2a
Australia
- Eremomela turneri***
Turner's Eremomela
VU²¹ B1+2ac
Kenya, Uganda, Zaire
- Eutrichomyias rowleyi***
Cerulean Paradise-flycatcher
CR²¹ B1+2ce, C2b, D1
Indonesia
- Ficedula basilanica***
Little Slaty Flycatcher
VU²¹ A1c+2c, C1+2a
Philippines
- Ficedula bonthaina***
Lompobattang Flycatcher
EN²¹ B1+2c
Indonesia
- Ficedula crypta***
Cryptic Flycatcher
VU²¹ A2c, B1+2c, C1+2a
Philippines
- Ficedula disposita***
Furtive Flycatcher
EN²¹ C2a
Philippines
- Ficedula henrici***
Damar Flycatcher
VU²¹ D2
Indonesia
- Ficedula platenae***
Palawan Flycatcher
EN²¹ C2a
Philippines
- Ficedula subrubra***
Kashmir Flycatcher
VU²¹ B1+2c
India, Pakistan. * India, Nepal, Sri
Lanka
- Garrulax bieti***
White-speckled Laughingthrush
VU²¹ B1+2c, C1+2a
China
- Garrulax cinereifrons***
Ashy-headed Laughingthrush
VU²¹ B1+2c, C1+2a
Sri Lanka
- Garrulax milleti***
Black-hooded Laughingthrush
VU²¹ A2c, B1+2c, C1+2a
Viet Nam
- Garrulax sukatschewi***
Snowy-cheeked Laughingthrush
VU²¹ C1+2a
China
- Garrulax yersini***
Collared Laughingthrush
VU²¹ B1+2c, C1+2a
Viet Nam
- Gerygone hypoxantha***
Biak Gerygone
EN²¹ B1+2c, C2b
Indonesia
- Gerygone modesta***
Norfolk Island Gerygone
VU²¹ D2
Norfolk Island
- Humblotia flavirostris***
Grand Comoro Flycatcher
VU²¹ B1+2c, C2b
Comoros
- Hypothymis coelestis***
Celestial Monarch
EN²¹ C2a
Philippines



- Jabouilleia danjoui**
Short-tailed Scimitar-babbler
VU²¹ A1c+2c, C1+2a
Laos, Viet Nam
- Kupeornis gilberti**
White-throated Mountain-babbler
VU²¹ B1+2bc
Cameroon, Nigeria
- Lamprolia victoriae**
Silktaill
VU²¹ B1+2c
Fiji
- Liocichla omeiensis**
Omei Shan Liocichla
VU²¹ B1+2c, C1
China
- Luscinia obscura**
Black-throated Blue Robin
VU²¹ C1+2a
China. * Thailand
- Luscinia ruficeps**
Rufous-headed Robin
VU²¹ C1+2a
China. * Malaysia
- Macrosphenus pulitzeri**
Pulitzer's Longbill
EN²¹ B1+2bc, C2a
Angola
- Malacocincla perspicillata**
Black-browed Babbler
VU²¹ C1, D1
Indonesia
- Malacocincla vanderbilti**
Vanderbilt's Babbler
VU²¹ C1, D1
Indonesia
- Malacopteron palawanense**
Melodious Babbler
EN²¹ C2a
Philippines
- Mayornis versicolor**
Ogea Monarch
VU²¹ D2
Fiji
- Megalurus albolimbatus**
Fly River Grassbird
VU²¹ C2a, D2
China, Japan, Mongolia?, Papua
New Guinea
- Megalurus pryeri**
Marsh Grassbird
VU²¹ C1+2a
China, Japan, Mongolia?
- Melaenornis annamarulae**
Nimba Flycatcher
VU²¹ A1c+2c
Côte d'Ivoire, Guinea, Liberia, Sierra
Leone
- Metabolus rugensis**
Truk Monarch
EN²¹ A1a, B1+2acd, C2a
Federated States of Micronesia
- Micromacronus leytensis**
Miniature Tit-babbler
VU²¹ A1c+2c, C1+2a
Philippines
- Mohoua ochrocephala**
Yellowhead
VU²¹ B2bde+3c, C2a
New Zealand
- Monarcha boanensis**
Black-chinned Monarch
EN²¹ B1+2c, D1
Indonesia
- Monarcha brehmii**
Biak Monarch
EN²¹ B1+2c, C2b
Indonesia
- Monarcha everetti**
White-tipped Monarch
VU²¹ C2b, D2
Indonesia
- Monarcha sacerdotum**
Flores Monarch
EN²¹ C2b
Indonesia
- Monarcha takatsukasae**
Tinian Monarch
VU²¹ D2
Northern Marianas
- Muscicapa lendu**
Chapin's Flycatcher
VU²¹ B1+2ac, C2a
Kenya, Uganda, Zaire
- Muscicapa randi**
Ashy-breasted Flycatcher
EN²¹ C2a
Philippines
- Myadestes lanaiensis**
Olomao
CR²¹ A1a, B1+2e, C2b, D1
USA (Hawaiian Is)
- Myadestes myadestinus**
Kamoo
CR²¹ A1a, B1+2e, C2b, D1
USA (Hawaiian Is)
- Myadestes palmeri**
Puaiohi
CR²¹ A1a, B1+2ce, C2a, D1
USA (Hawaiian Is)
- Myiagra albiventris**
Samoan Flycatcher
VU²¹ A1ac
Western Samoa
- Myiophonus blighi**
Sri Lanka Whistling-thrush
EN²¹ B1+2c, C1
Sri Lanka
- Napothera rabori**
Rabor's Wren-babbler
VU²¹ C1+2a
Philippines
- Newtonia fanovanae**
Red-tailed Newtonia
VU²¹ B1+2c, C2a
Madagascar
- Orthotomus moreaui**
Long-billed Tailorbird
CR²¹ C2a
Mozambique, Tanzania
- Paradoxornis davidianus**
Short-tailed Parrotbill
VU²¹ A1c, C1+2a
China, Laos, Myanmar, Thailand,
Viet Nam
- Paradoxornis flavirostris**
Black-breasted Parrotbill
VU²¹ A1ac, C1+2a
Bangladesh, India, Myanmar, Nepal
(ex?)
- Paradoxornis przewalskii**
Rusty-throated Parrotbill
VU²¹ B1+2c, C1+2a
China
- Paradoxornis zappeyi**
Grey-hooded Parrotbill
VU²¹ B1+2c, C1+2a
China
- Pellorneum palustre**
Marsh Babbler
VU²¹ A1c, C1+2a
Bangladesh, India
- Petroica traversi**
Chatham Islands Robin
EN²¹ D1
New Zealand [re-int] (Chatham Is)
- Phylloscopus amoenus**
Sombre Leaf-warbler
VU²¹ D1+2
Solomon Islands
- Phylloscopus hainanus**
Hainan Leaf-warbler
VU²¹ A1c, B1+2c
China
- Phylloscopus ijimae**
Ijima's Leaf-warbler
VU²¹ C1+2a
Japan. * Philippines
- Picathartes gymnocephalus**
White-necked Rockfowl
VU²¹ A1c+2c
Côte d'Ivoire, Ghana, Guinea,
Liberia, Sierra Leone

- Picathartes oreas*
Grey-necked Rockfowl
VU²¹ C2a
Cameroon, Equatorial Guinea?,
Gabon, Nigeria
- Platysteira laticincta*
Banded Wattle-eye
VU²¹ A1c, B1+2bc, C1+2b
Cameroon
- Pomarea dimidiata*
Rarotonga Monarch
CR²¹ D1
Cook Islands
- Pomarea iphis*
Iphis Monarch
VU²¹ D2
French Polynesia
- Pomarea mendozae*
Marquesan Monarch
EN²¹ B1+2d, C2a
French Polynesia
- Pomarea nigra*
Tahiti Monarch
CR²¹ C2b, D1
French Polynesia
- Pomarea whitneyi*
Fatuhiya Monarch
VU²¹ D2
French Polynesia
- Prinia burnesii*
Rufous-vented Prinia
VU²¹ A1c
Bangladesh, India, Pakistan
- Prinia leontica*
White-eyed Prinia
VU²¹ C2a
Côte d'Ivoire, Guinea, Liberia, Sierra
Leone
- Pseudocossyphus bensoni*
Benson's Rock-thrush
VU²¹ D1
Madagascar
- Psophodes nigrogularis*
Western Whipbird
VU²¹ B1+2c, C2a
Australia
- Ptilocichla falcata*
Falcated Wren-babbler
EN²¹ C2a
Philippines
- Rhinomyias addita*
Streaky-breasted Jungle-flycatcher
VU²¹ D2
Indonesia
- Rhinomyias albigularis*
White-throated Jungle-flycatcher
CR²¹ A1c+2c, B1+2c, C1+2a, D1
Philippines
- Rhinomyias brunneata*
Brown-chested Jungle-flycatcher
VU²¹ A1c+2c
China, India (Andaman & Nicobar
Is). * Brunei, Malaysia?, Singapore,
Thailand
- Rhinomyias goodfellowi*
Slaty-backed Jungle-flycatcher
VU²¹ A2c, B1+2c, C1+2a
Philippines
- Rhinomyias insignis*
White-browed Jungle-flycatcher
EN²¹ C2a
Philippines
- Rhipidura malaitae*
Malaita Fantail
VU²¹ D1
Solomon Islands
- Rhipidura semirubra*
Manus Fantail
VU²¹ D1+2
Papua New Guinea
- Rhyacornis bicolor*
Luzon Water-redstart
EN²¹ B1+2ce, C2a
Philippines
- Saxicola insignis*
White-throated Bushchat
VU²¹ C1+2a
Kazakhstan, Mongolia, Russia. *
China?, India, Nepal
- Saxicola macrorhyncha*
White-browed Bushchat
VU²¹ A1ac, C1+2a
Afghanistan, India, Pakistan
- Scelopomycter winifredae*
Mrs Moreau's Warbler
VU²¹ B1+2bc
Tanzania
- Sheppardia gabela*
Gabela Akalat
EN²¹ B1+2ac, C2a
Angola
- Sheppardia gunningi*
East Coast Akalat
VU²¹ B1+2bc
Kenya, Malawi, Mozambique,
Tanzania
- Sheppardia lowei*
Iringa Akalat
VU²¹ B1+2bc
Tanzania
- Sheppardia montana*
Usambara Akalat
VU²¹ B1+2ac
Tanzania
- Spelaeoris badeigularis*
Rusty-throated Wren-babbler
VU²¹ B1+2c, D1
India
- Spelaeoris caudatus*
Rufous-throated Wren-babbler
VU²¹ B1+2c, C1+2a
Bhutan, India, Nepal
- Spelaeoris longicaudatus*
Tawny-breasted Wren-babbler
VU²¹ B1+2c, C1+2a
India
- Stachyris grammiceps*
White-breasted Babbler
VU²¹ B1+2cd, C1+2a
Indonesia
- Stachyris herberti*
Sooty Babbler
VU²¹ C1+2a
Laos, Viet Nam
- Stachyris hypogrammica*
Palawan Striped-babbler
VU²¹ D2
Philippines
- Stachyris latistriata*
Panay Striped-babbler
VU²¹ B1+2c
Philippines
- Stachyris nigrorum*
Negros Striped-babbler
EN²¹ C2b
Philippines
- Stachyris oglei*
Snowy-throated Babbler
VU²¹ B1+2c, C1+2a
India
- Stachyris rodolphei*
Deignan's Babbler
VU²¹ D2
Thailand
- Stachyris speciosa*
Flame-templed Babbler
EN²¹ B1+2c, C2a
Philippines
- Stachyris striata*
Luzon Striped-babbler
VU²¹ A1c+2c, C1+2a
Philippines
- Swynnertonia swynnertonii*
Swynnerton's Robin
VU²¹ B1+2bc
Mozambique, Tanzania, Zimbabwe
- Sylvia buryi*
Yemen Warbler
VU²¹ B1+2bc, C2a
Saudi Arabia, Yemen



Terpsiphone corvina
Seychelles Paradise-flycatcher

CR ²¹ B1+2abce, C2b
Seychelles

Terpsiphone smithii

Annobon Paradise-flycatcher

VU ²¹ D1+2
Equatorial Guinea

Trichastoma woodi

Bagobo Babbler

VU ²¹ C1+2a
Philippines

Trichocichla rufa

Long-legged Thicketbird

CR ²¹ B1+2e, C2a
Fiji

Turdoides hindei

Hinde's Pied-babbler

EN ²¹ B1+2ac, C2a
Kenya

Turdus celaenops

Izu Thrush

VU ²¹ B1+2e, C1
Japan

Turdus feae

Grey-sided Thrush

VU ²¹ B1+2c, C1+2a
China. * India, Myanmar, Thailand

Turdus helleri

Taita Thrush

CR ²¹ B1+2abc
Kenya

Turdus ludoviciae

Somali Thrush

EN ²¹ B1+2abc
Somalia

Turdus menachensis

Yemen Thrush

VU ²¹ B1+2bc, C2a
Saudi Arabia, Yemen

Turdus swalesi

La Selle Thrush

VU ²¹ B1+2c, C1+2a
Dominican Republic, Haiti

Zoothera cinerea

Ashy Thrush

VU ²¹ A2c, C1+2a
Philippines

Zoothera guttata

Spotted Ground-thrush

EN ²¹ C2a
Malawi, Mozambique?, South Africa, Sudan, Zaire. * Kenya, Tanzania

Zoothera major

Amami Thrush

CR ²¹ C2b
Japan (Nansei-shoto)

Family PARIDAE

Parus nuchalis

White-naped Tit

VU ²¹ A1c, C1+2a
India

Family SITTIDAE

Sitta formosa

Beautiful Nuthatch

VU ²¹ C1+2a
Bhutan, China, India, Laos, Myanmar, Thailand, Viet Nam

Sitta ledanti

Algerian Nuthatch

EN ²¹ C2a
Algeria

Sitta magna

Giant Nuthatch

VU ²¹ A1c, C1+2a
China, Myanmar, Thailand

Sitta solangiae

Yellow-billed Nuthatch

VU ²¹ C1+2a
China, Viet Nam

Sitta victoriae

White-browed Nuthatch

VU ²¹ D2
Myanmar

Sitta yunnanensis

Yunnan Nuthatch

VU ²¹ A1c, C1+2a
China

Family DICAIEIDAE

Dicaeum haematostictum

Visayan Flowerpecker

EN ²¹ A1c, B1+2c, C2a
Philippines

Dicaeum proprium

Whiskered Flowerpecker

VU ²¹ A2c, B1+2c, C1+2a
Philippines

Dicaeum quadricolor

Cebu Flowerpecker

CR ²¹ A2c, B1+2c, C1+2b, D1
Philippines

Dicaeum retrocinctum

Scarlet-collared Flowerpecker

CR ²¹ A2c, B1+2c
Philippines

Pardalotus quadragintus

Forty-spotted Pardalote

VU ²¹ B1+2c
Australia

Family NECTARINIIDAE

Aethopyga duyvenbodei

Elegant Sunbird

EN ²¹ B1+2c
Indonesia

Anthreptes pallidigaster

Amani Sunbird

VU ²¹ B1+2bc
Kenya, Tanzania

Anthreptes rubritorques

Banded Sunbird

VU ²¹ B1+2bc
Tanzania

Nectarinia rockefelleri

Rockefeller's Sunbird

VU ²¹ D1
Zaire

Nectarinia rufipennis

Rufous-winged Sunbird

VU ²¹ D2
Tanzania

Nectarinia thomensis

Giant Sunbird

VU ²¹ D1
São Tomé & Príncipe (São Tomé)

Family ZOSTEROPIDAE

Cleptornis marchei

Golden White-eye

VU ²¹ A2e, D2
Northern Marianas

Madanga ruficollis

Rufous-throated White-eye

VU ²¹ D2
Indonesia

Rukia ruki

Faichuk White-eye

EN ²¹ B1+2c, C2a
Federated States of Micronesia

Speirops brunneus

Fernando Po Speirops

VU ²¹ D2
Equatorial Guinea (Bioko)

Speirops leucophaeus

Príncipe Speirops

VU ²¹ C2b
São Tomé & Príncipe (Príncipe)

Speirops melanocephalus

Mount Cameroon Speirops

VU ²¹ D2
Cameroon

Zosterops albogularis

White-chested White-eye

CR ²¹ D1
Norfolk Island

Zosterops chloronothos
Mauritius Olive White-eye
CR²¹ A1a, B1+2c, C2b
Mauritius

Zosterops ficedulinus
São Tomé White-eye
VU²¹ C2a
São Tomé & Príncipe

Zosterops griseovirescens
Annobon White-eye
VU²¹ D2
Equatorial Guinea

Zosterops kulalensis
Kulal White-eye
CR²¹ B1+2bc
Kenya

Zosterops luteirostris
Ghizo White-eye
VU²¹ D2
Solomon Islands

Zosterops modestus
Seychelles White-eye
CR²¹ C2b, D1
Seychelles

Zosterops mouroiensis
Mount Karthala White-eye
CR²¹ B1+2bc
Comoros

Zosterops oleagineus
Yap Olive White-eye
VU²¹ D2
Federated States of Micronesia

Zosterops rotensis
Rota White-eye
CR²¹ A1a, B1+2de
Northern Marianas

Zosterops samoensis
Samoan White-eye
VU²¹ C2a, D2
Western Samoa

Zosterops silvanus
Taita White-eye
CR²¹ B1+2bc
Kenya

Zosterops tenuirostris
Slender-billed White-eye
VU²¹ D2
Norfolk Island

Zosterops tephroleurus
Lord Howe Island White-eye
VU²¹ D2
Australia

Zosterops winifredae
South Pare White-eye
VU²¹ B1+2c, C2a
Tanzania

Family MELIPHAGIDAE

Apalopteron familiare
Bonin Honeyeater
VU²¹ D2
Japan

Grantiella picta
Painted Honeyeater
VU²¹ C2a
Australia

Gymnomyza aubryana
Crow Honeyeater
VU²¹ B1+2c, C2b
New Caledonia

Gymnomyza samoensis
Mao
VU²¹ A1c, C2a
American Samoa (ex), Western Samoa

Manorina melanotis
Black-eared Miner
CR²¹ C2a, D1
Australia

Melidectes princeps
Long-bearded Melidectes
VU²¹ B1+2ce, C2a
Papua New Guinea

Moho bishopi
Bishop's Oo
CR²¹ B1+2ce, C2a, D1
USA (Hawaiian Is)

Moho braccatus
Kauai Oo
CR²¹ A1a, B1+2ce, C2b, D1
USA (Hawaiian Is)

Myzomela chermesina
Rotuma Myzomela
VU²¹ D2
Fiji

Notiamystis cincta
Stitchbird
VU²¹ D2
New Zealand

Xanthomyza phrygia
Regent Honeyeater
EN²¹ C2a
Australia

Family EMBERIZIDAE

Atlapetes flaviceps
Yellow-headed Brush-finch
EN²¹ B1+2ac, C2a
Colombia

Atlapetes pallidiceps
Pale-headed Brush-finch
CR²¹ A1c, B1+2c, C2b
Ecuador

Bangsia aureocincta
Gold-ringed Tanager
VU²¹ B1+2c, C1
Colombia

Bangsia melanochlamys
Black-and-gold Tanager
EN²¹ C1+2a
Colombia

Buthraupis aureodorsalis
Golden-backed Mountain-tanager
VU²¹ D2
Peru

Buthraupis wetmorei
Masked Mountain-tanager
VU²¹ A1c+2c, B1+2c, C1+2a
Colombia, Ecuador, Peru

Calyptophilus frugivorus
Chat-tanager
VU²¹ A1c, C1+2a
Dominican Republic, Haiti

Camarhynchus heliobates
Mangrove Finch
EN²¹ D1
Ecuador (Galápagos Is)

Chlorochrysa nitidissima
Multicoloured Tanager
VU²¹ C1
Colombia

Chlorospingus flavovirens
Yellow-green Bush-tanager
VU²¹ C2a, D2
Colombia, Ecuador

Conothraupis mesoleuca
Cone-billed Tanager
VU²¹ D1
Brazil

Coryphaspiza melanotis
Black-masked Finch
VU²¹ A1c
Argentina, Bolivia, Brazil, Paraguay, Peru

Dacnis berlepschi
Scarlet-breasted Dacnis
VU²¹ C1
Colombia, Ecuador

Dacnis nigripes
Black-legged Dacnis
VU²¹ C1
Brazil

Diglossa venezuelensis
Venezuelan Flowerpiercer
CR²¹ A2c
Venezuela

Emberiza jankowskii
Rufous-backed Bunting
VU²¹ C1+2a
China, North Korea, Russia

***Emberiza socotrana***

Socotra Bunting

VU ²¹ D1

Yemen

Emberiza sulphurata

Yellow Bunting

VU ²¹ C1+2a

Japan. * China, Hong Kong, North Korea, Philippines, South Korea, Taiwan

Gubernatrix cristata

Yellow Cardinal

EN ²¹ A1ad+2d

Argentina, Brazil, Paraguay (ex?), Uruguay

Habia atrimaxillaris

Black-cheeked Ant-tanager

VU ²¹ B1+2c, C1+2b

Costa Rica

Hemispingus goeringi

Slaty-backed Hemispingus

VU ²¹ B1+2c, C1+2a

Venezuela

Junco insularis

Guadalupe Junco

CR ²¹ B1+2e, C2b

Mexico

Nemosia rourei

Cherry-throated Tanager

CR ²¹ D1

Brazil

Nesospiza acunhae

Tristan Bunting

VU ²¹ D2

St Helena (Tristan da Cunha)

Nesospiza wilkinsi

Grosbeak Bunting

VU ²¹ D1+2

St Helena (Tristan da Cunha)

Oreothraupis arremonops

Tanager-finch

VU ²¹ C2a

Colombia, Ecuador

Pinaroloxias inornata

Cocos Finch

VU ²¹ D2

Costa Rica

Poospiza alticola

Plain-tailed Warbling-finch

EN ²¹ C2a

Peru

Poospiza baeri

Tucumán Mountain-finch

VU ²¹ D1

Argentina

Poospiza garleppi

Cochabamba Mountain-finch

EN ²¹ B1+2c, C1+2b

Bolivia

Poospiza rubecula

Rufous-breasted Warbling-finch

EN ²¹ C2a

Peru

Pseliophorus luteoviridis

Yellow-green Finch

VU ²¹ D2

Panama

Pseudodaenicis hartlaubi

Turquoise Dacnis

VU ²¹ A1c, B1+2c, C1+2a

Colombia

Rowettia goughensis

Gough Bunting

VU ²¹ D1+2

St Helena (Tristan da Cunha)

Saltator rufiventris

Rufous-bellied Saltator

VU ²¹ C2a

Argentina, Bolivia

Spizella wortheni

Worthen's Sparrow

EN ²¹ C2a

Mexico, USA (ex)

Sporophila falcirostris

Temminck's Seedeater

EN ²¹ A1c, C1+2b

Argentina, Brazil, Paraguay

Sporophila frontalis

Buffy-fronted Seedeater

EN ²¹ A1c, C1+2b

Argentina?, Brazil, Paraguay

Sporophila insulata

Tumaco Seedeater

CR ²¹ D1

Colombia

Sporophila melanops

Hooded Seedeater

VU ²¹ D1

Brazil

Sporophila nigrorufa

Black-and-tawny Seedeater

EN ²¹ A1c

Bolivia, Brazil

Sporophila palustris

Marsh Seedeater

EN ²¹ A1cd+2cd

Argentina, Brazil, Paraguay, Uruguay

Sporophila zelichi

Entre Ríos Seedeater

CR ²¹ A2cd, C1+2b

Argentina

Tangara cabanisi

Azure-rumped Tanager

EN ²¹ A2c

Guatemala, Mexico

Tangara fastuosa

Seven-coloured Tanager

EN ²¹ A2cd

Brazil

Tangara meyerdeschauenseei

Green-capped Tanager

VU ²¹ D2

Peru

Tangara peruviana

Black-backed Tanager

EN ²¹ A2c

Brazil

Torreornis inexpectata

Cuban Sparrow

EN ²¹ B1+2c, C1+2a

Cuba

Wetmorethraupis sterrhoipteron

Orange-throated Tanager

EN ²¹ A2c

Ecuador, Peru

Xenospingus concolor

Slender-billed Finch

VU ²¹ A2c, B1+2c, C1+2a

Chile, Peru

Xenospiza baileyi

Sierra Madre Sparrow

EN ²¹ B1+2c, C1+2a

Mexico

Family PARULIDAE

Basileuterus griseiceps

Grey-headed Warbler

CR ²¹ A2c

Venezuela

Catharopeza bishopi

Whistling Warbler

VU ²¹ D2

St Vincent

Conirostrum tamarugense

Tamarugo Conebill

VU ²¹ C1

Chile, Peru

Dendroica chrysoparia

Golden-cheeked Warbler

EN ²¹ A1ce

USA. * Guatemala, Honduras, Mexico, Nicaragua

Dendroica kirtlandii

Kirtland's Warbler

VU ²¹ D1+2

Canada?, USA. * Bahamas, Turks and Caicos Islands

Geothlypis beldingi

Belding's Yellowthroat

VU ²¹ A1c+2c, B1+2c

Mexico

Geothlypis speciosa

Black-pollled Yellowthroat
 VU ²¹ A1c+2c, B1+2c, C1+2a
 Mexico

Leucopeza semperi

Semper's Warbler
 CR ²¹ D1
 St Lucia

Myioborus cardonai

Guaiquinima Whitestart
 VU ²¹ D2
 Venezuela

Myioborus pariae

Paria Whitestart
 CR ²¹ B1+2c
 Venezuela

Vermivora bachmanii

Bachman's Warbler
 CR ²¹ D1
 USA. * Cuba?

Xenoligea montana

White-winged Warbler
 VU ²¹ A1c, B1+2c, C1+2a
 Dominican Republic, Haiti

Family DREPANIDIDAE

Hemignathus lucidus

Nukupuu
 CR ²¹ A1a, B1+2ce, C2a, D1
 USA (Hawaiian Is)

Hemignathus wilsoni

Akiapolaau
 EN ²¹ B1+2ce, C2a
 USA (Hawaiian Is)

Loxioides bailleui

Palila
 EN ²¹ B1+2e, C2a
 USA (Hawaiian Is)

Loxops caeruleirostris

Akekee
 EN ²¹ B1+2ce
 USA (Hawaiian Is)

Loxops coccineus

Akepa
 EN ²¹ B1+2abcde
 USA (Hawaiian Is)

Melamprosops phaeosoma

Poo-uli
 CR ²¹ A1ace, B1+2abcde, C2a, D1
 USA (Hawaiian Is)

Oreomystis bairdi

Akikiki
 EN ²¹ B1+2abcde
 USA (Hawaiian Is)

Oreomystis mana

Hawaii Creeper
 EN ²¹ B1+2abcde
 USA

Palmeria dolei

Akohekohe
 VU ²¹ D2
 USA (Hawaiian Is)

Paroreomyza maculata

Oahu Alauahio
 CR ²¹ A1a, B1+2ce, C2a, D1
 USA (Hawaiian Is)

Pseudonestor xanthophrys

Maui Parrotbill
 VU ²¹ D1+2
 USA (Hawaiian Is)

Psittirostra psittacea

Ou
 CR ²¹ A1ac, B1+2abcde, C2a, D1
 USA (Hawaiian Is)

Telespiza cantans

Laysan Finch
 VU ²¹ D2
 USA [int] (Hawaiian Is)

Telespiza ultima

Nihoa Finch
 VU ²¹ D2
 USA [int] (Hawaiian Is)

Viridonia parva

Anianiau
 VU ²¹ A1acd, D2
 USA (Hawaiian Is)

Viridonia stejnegeri

Kauai Amakihi
 VU ²¹ A1acd, D2
 USA (Hawaiian Is)

Family VIREONIDAE

Vireo atricapillus

Black-capped Vireo
 EN ²¹ A1cd+2d
 Mexico, USA

Vireo caribaeus

San Andrés Vireo
 CR ²¹ B1+2bc
 Colombia (San Andrés Id)

Vireo gracilirostris

Noronha Vireo
 VU ²¹ D2
 Brazil

Vireo sp.

Chocó Vireo
 VU ²¹ D2
 Colombia

Family ICTERIDAE

Agelaius flavus

Saffron-cowled Blackbird
 EN ²¹ A1ac+2ce
 Argentina, Brazil, Paraguay, Uruguay

Agelaius xanthomus

Yellow-shouldered Blackbird
 EN ²¹ B1+2cd, C1+2a
 Puerto Rico

Cacicus koepckeae

Selva Cacique
 VU ²¹ A2c, C1+2b
 Peru

Curaeus forbesi

Forbes's Blackbird
 CR ²¹ A2cde, C1+2a
 Brazil

Gymnostinops cassini

Baudó Oropendola
 EN ²¹ A2c
 Colombia

Hypopyrrhus pyrohypogaster

Red-bellied Grackle
 EN ²¹ C1+2a
 Colombia

Icterus bonana

Martinique Oriole
 EN ²¹ A1e, B1+2e, C1+2b
 Martinique

Sturnella militaris

Pampas Meadowlark
 EN ²¹ A1c
 Argentina, Brazil?, Uruguay. *
 Brazil?, Uruguay

Family FRINGILLIDAE

Carduelis cucullata

Red Siskin
 EN ²¹ C2a
 Colombia, Puerto Rico [int],
 Trinidad and Tobago (ex), Venezuela

Carduelis johannis

Warsangli Linnnet
 EN ²¹ B1+2abc
 Somalia

Carduelis siemiradzki

Saffron Siskin
 VU ²¹ B1+2c, C1+2a
 Ecuador, Peru?

Carduelis yarrellii

Yellow-faced Siskin
 VU ²¹ A1d+2d
 Brazil, Venezuela

Neospiza concolor

São Tomé Grosbeak
 CR ²¹ D1
 São Tomé & Príncipe (São Tomé
 (ex?))

Serinus ankoberensis

Ankober Serin
 EN ²¹ B1+2c
 Ethiopia

***Serinus flavigula***

Yellow-throated Serin
EN ²¹ D1
Ethiopia

Serinus xantholaema

Salvadori's Serin
VU ²¹ C2b
Ethiopia

Family **ESTRILDIDAE*****Amandava formosa***

Green Avadavat
VU ²¹ C1+2a
India

Chloebia gouldiae

Gouldian Finch
EN ²¹ B1+2de
Australia

Cryptospiza shelleyi

Shelley's Crimson-wing
VU ²¹ A1a, C1+2a
Burundi, Rwanda, Uganda, Zaire

Erythrura coloria

Red-eared Parrotfinch
VU ²¹ B1+2c, C2a
Philippines

Erythrura kleinschmidti

Pink-billed Parrotfinch
EN ²¹ B1+2c, C2a
Fiji

Erythrura regia

Royal Parrotfinch
VU ²¹ A2c
Vanuatu

Erythrura viridifacies

Green-faced Parrotfinch
EN ²¹ A2c, C1+2a
Philippines

Estrilda nigriloris

Black-lored Waxbill
VU ²¹ B1+2ac
Zaire

Estrilda poliopareia

Anambra Waxbill
VU ²¹ B1+2bc, D1
Nigeria

Lonchura vana

Grey-banded Munia
VU ²¹ B1+2c
Indonesia

Neochmia ruficauda

Star Finch
VU ²¹ C2a
Australia

Padda oryzivora

Java Sparrow
VU ²¹ A1d
Fiji [int], Indonesia, USA [int]

Family **PLOCEIDAE*****Foudia flavicans***

Rodrigues Fody
VU ²¹ D1+2
Mauritius (Rodrigues)

Foudia rubra

Mauritius Fody
CR ²¹ B1+2abce, C2b
Mauritius

Foudia sechellarum

Seychelles Fody
VU ²¹ D2
Seychelles

Malimbus ballmanni

Gola Malimbe
EN ²¹ A2c
Côte d'Ivoire?, Guinea, Liberia,
Sierra Leone

Malimbus flavipes

Yellow-legged Weaver
VU ²¹ C2a, D1
Zaire

Malimbus ibadanensis

Ibadan Malimbe
CR ²¹ C2a
Nigeria

Ploceus aureonucha

Golden-naped Weaver
VU ²¹ C2b, D1
Zaire

Ploceus bannermani

Bannerman's Weaver
VU ²¹ B1+2abc, C2a
Cameroon, Nigeria?

Ploceus batesi

Bates's Weaver
VU ²¹ C2a
Cameroon

Ploceus burnieri

Kilombero Weaver
VU ²¹ B1+2c, C2b, D1
Tanzania

Ploceus golandi

Clarke's Weaver
VU ²¹ D1+2
Kenya

Ploceus megarhynchus

Yellow Weaver
VU ²¹ C1+2a
India

Ploceus nicolli

Tanzanian Mountain Weaver
VU ²¹ B1+2bc, C2a, D1
Tanzania

Ploceus nigrimentum

Black-chinned Weaver
VU ²¹ C2a
Angola, Congo?, Gabon

Ploceus ruweti

Lake Lufira Weaver
VU ²¹ D2
Zaire

Ploceus subpersonatus

Loango Weaver
VU ²¹ B1+2c, C2a
Angola, Gabon, Zaire

Family **STURNIDAE*****Aplonis brunneicapilla***

White-eyed Starling
EN ²¹ C2a
Papua New Guinea, Solomon Islands

Aplonis cinerascens

Rarotonga Starling
VU ²¹ D1+2
Cook Islands

Aplonis pelzelni

Pohnpei Mountain Starling
CR ²¹ B1+2bc, C2b, D1
Federated States of Micronesia

Aplonis santovestris

Santo Mountain Starling
VU ²¹ D2
Vanuatu

Cinnyricinclus femoralis

Abbott's Starling
VU ²¹ B1+2c, C2a
Kenya, Tanzania

Leucopsar rothschildi

Bali Starling
CR ²¹ B1+2e, C1+2b, D1
Indonesia

Onychognathus frater

Socotra Starling
VU ²¹ D1
Yemen

Family **ORIOOLIDAE*****Oriolus crassirostris***

São Tomé Oriole
VU ²¹ C2b
São Tomé & Príncipe

Oriolus isabellae

Isabela Oriole
CR ²¹ C2a, D1
Philippines

Oriolus mellianus

Silver Oriole
VU ²¹ B1+2c, C1+2a
China. * Cambodia, Thailand

Family **DICRURIDAE*****Dicrurus fuscipennis***

Grand Comoro Drongo
CR ²¹ C2a
Comoros

Dicrurus waldenii

Mayotte Drongo

CR²¹ C2b, D1

Mayotte

Family CALLAEIDAE

Callaeas cinerea

Kokako

EN²¹ C2a

New Zealand

Family PTILONORHYNCHIDAE

Archboldia papuensis

Archbold's Bowerbird

VU²¹ C1

Indonesia

Sericulus bakeri

Fire-maned Bowerbird

VU²¹ C2b

Papua New Guinea

Family PARADISAEIDAE

Astrapia mayeri

Ribbon-tailed Astrapia

VU²¹ B1+2c

Papua New Guinea

Epimachus fastuosus

Black Sicklebill

VU²¹ A2cd, C2a

Indonesia, Papua New Guinea

Macgregoria pulchra

Macgregor's Bird-of-paradise

VU²¹ B1+2c, C2a

Indonesia, Papua New Guinea

Paradisaea decora

Goldie's Bird-of-paradise

VU²¹ B1+2c

Papua New Guinea

Paradisaea rudolphi

Blue Bird-of-paradise

VU²¹ C1+2a

Papua New Guinea

Parotia wahnesi

Wahnes's Parotia

VU²¹ C1

Papua New Guinea

Family CORVIDAE

Corvus florensis

Flores Crow

VU²¹ B1+2c, C1+2a

Indonesia

Corvus hawaiiensis

Hawaiian Crow

CR²¹ D1

USA (Hawaiian Is)

Corvus kubaryi

Mariana Crow

CR²¹ B1+2cde

Guam, Northern Marianas

Corvus leucognaphalus

White-necked Crow

VU²¹ A1c, C1+2a

Dominican Republic, Haiti, Puerto Rico (ex)

Corvus unicolor

Banggai Crow

VU²¹ D1

Indonesia

Crypsirina cucullata

Hooded Treepie

VU²¹ A1c, C1+2a

Myanmar

Cyanolyca mirabilis

White-throated Jay

EN²¹ A1c+2c, B1+2c, C1+2a

Mexico

Cyanolyca nana

Dwarf Jay

EN²¹ A1c+2c, B1+2c, C1+2b

Mexico

Garrulus lidhi

Lidhi's Jay

VU²¹ C1+2b

Japan

Perisoreus internigrans

Sichuan Jay

VU²¹ C1+2a

China

Podoces biddulphi

Xinjiang Ground-jay

VU²¹ C1+2a

China

Urocissa ornata

Sri Lanka Magpie

VU²¹ B1+2ac, C1+2a

Sri Lanka

Zavattariornis stresemanni

Ethiopian Bush-crow

VU²¹ B1+2abc, C2b

Ethiopia

Class REPTILIA

Order CROCODYLIA

Family ALLIGATORIDAE

Alligator sinensis

Chinese Alligator

CR⁵⁵ A1c, D1

China

[R. Yangtze]

Melanosuchus niger

Black Caiman

EN⁵⁵ A1cd

Bolivia, Brazil, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Venezuela

Family CROCODYLIDAE

Crocodylus acutus

American Crocodile

VU⁵⁵ A1ac

Belize?, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Peru, USA, Venezuela

Crocodylus intermedius

Orinoco Crocodile

CR⁵⁵ A1c, C2a

Colombia, Venezuela

Crocodylus mindorensis

Philippines Crocodile

CR⁵⁵ A1c, C2a

Philippines

Crocodylus palustris

Mugger

VU⁵⁵ A1a, C2a

Bangladesh (ex?), India, Iran, Nepal, Pakistan, Sri Lanka

Crocodylus rhombifer

Cuban Crocodile

EN⁵⁵ A1ce, B1+2c

Cuba

Crocodylus siamensis

Siamese Crocodile

CR⁵⁵ A1ac

Brunei?, Cambodia, Indonesia, Laos?, Malaysia, Myanmar?, Thailand (ex?), Viet Nam

Osteolaemus tetraspis

West African Dwarf Crocodile

VU⁵⁵ A2cd

Angola, Benin, Burkina Faso, Cameroon, Central African Republic, Congo, Côte d'Ivoire, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Nigeria, Senegal, Sierra Leone, Togo, Uganda?, Zaire

Family GAVIALIDAE

Gavialis gangeticus

Gharial

EN⁵⁵ C2a, E

Bangladesh, Bhutan?, India, Nepal, Pakistan

Order RHYNCHOCEPHALIA

Family SPHENODONTIDAE

Sphenodon guntheri

Brother's Island Tuatara

VU¹⁴ D1+2

New Zealand



Order SAURIA

Family AGAMIDAE

Calotes liocephalus

Spineless Forest Lizard
EN¹⁸⁵ B1+2bc
Sri Lanka

Ceratophora tennentii

Tennent's Leaf-nosed Lizard
EN¹⁸⁵ B1+2bc
Sri Lanka

Ctenophorus yinnietharra

Yinnietharra Rock Dragon
VU¹⁴ D2
Australia

Family ANGUIDAE

Abronia montecristoi

CR¹⁸⁵ B1+2c
El Salvador

Diploglossus anelpistus

CR¹²⁶ B1+2abcd
Dominican Republic

Diploglossus carruai

EN¹²⁶ B1+2bc
Dominican Republic

Diploglossus montiserrati

Monsterrat Galliwasp
CR⁵⁷ B1+2c
Montserrat

Gerrhonotus panamintus

Panamint Alligator Lizard
VU¹⁸⁵ D2
USA

Family CHAMAELEONIDAE

Bradypodion setaroi

Setaro's Dwarf Chamaeleon
EN¹⁸⁵ B1+2c
South Africa

Bradypodion taeniabronchum

Smith's Dwarf Chamaeleon
CR¹⁸⁵ B1+2c
South Africa

Brookesia peramata

VU¹⁰⁶ A1d, D2
Madagascar

Furcifer campani

VU¹⁰⁶ A1cd
Madagascar

Furcifer labordi

VU¹⁰⁶ A1cd
Madagascar

Furcifer minor

VU¹⁰⁶ A1cd
Madagascar

Family CORDYLIDAE

Cordylus cataphractus

Armadillo Girdled Lizard
VU¹⁸⁵ A2d
South Africa

Cordylus giganteus

Giant Girdled Lizard
VU¹⁸⁵ A2cd
South Africa

Cordylus mclachlani

McLachlan's Girdled Lizard
VU¹⁸⁵ D2
South Africa

Pseudocordylus nebulosus nov.

VU¹⁸⁵ D2
South Africa

Tetradactylus breyeri

Breyer's Long-tailed Seps
VU¹⁸⁵ A1c+2c
South Africa

Family GEKKONIDAE

Christinus guentheri

VU¹⁴ B1+2c, D2
Australia, Norfolk Island

Goniosaurus kuroiwae

Kuroiwa's Ground Gecko
VU¹⁸⁵ B1+2cd
Japan (Nansei-shoto)

Hoplodactylus stephensi

Stephen's Island Gecko
VU¹⁴ D2
New Zealand

Lepidoblepharis montecanoensis

Paraguanan Ground Gecko
CR¹¹⁰ B1+2c
Venezuela

Lepidodactylus listeri

VU¹⁴ D2
Christmas Island

Lygodactylus methueni

Methuen's Dwarf Gecko
VU¹⁸⁵ B1+2c
South Africa

Nactus serpensinsula

Serpent Island Gecko
VU¹⁰⁶ D2
Mauritius

Nephruroides deteani

EN¹⁴ B1+2c
Australia

Phelsuma guentheri

Round Island Day Gecko
EN¹⁰⁶ D1
Mauritius

Phelsuma standingi

Standing's Day Gecko
VU¹⁰⁶ A1cd
Madagascar

Phyllodactylus europaeus

European Leaf-toed Gecko
VU⁶⁵ A1a, B1+2b
France, Italy, Tunisia

Sphaerodactylus micropithecus

Monito Gecko
EN¹⁷⁴ D1
Puerto Rico

Family HELODERMATIDAE

Heloderma horridum

Beaded Lizard
VU¹⁶ A2cd
Guatemala, Mexico

Heloderma suspectum

Gila Monster
VU¹⁶ A2cd
Mexico, USA

Family IGUANIDAE

Amblyrhynchus cristatus

Galápagos Marine Iguana
VU¹⁸⁵ A1ce
Ecuador (Galápagos Is)

Anolis roosevelti

Roosevelt's Giant Anole
CR⁵⁰ A2ce
Puerto Rico, Virgin Islands (British),
Virgin Islands (US)

Brachylophus fasciatus

Fiji Banded Iguana
EN¹⁴ A1c
Fiji, Tonga, Vanuatu [int]

Brachylophus vitiensis

Fiji Crested Iguana
CR¹⁴ A1c, B1+2c
Fiji

Conolophus pallidus

Barrington Land Iguana
VU¹⁸⁵ D2
Ecuador (Galápagos Is)

Conolophus subcristatus

Galápagos Land Iguana
VU¹⁸⁵ D2
Ecuador (Galápagos Is)

Cyclura carinata

CR⁷³ B1+2abcde
Bahamas, Turks and Caicos Islands

Cyclura collei

Jamaican Iguana
CR⁷⁴ B1+2c
Jamaica

Cyclura cornuta

Rhinoceros Iguana
 VU ⁵⁷ A1acde+2ce
 Dominican Republic, Haiti, Puerto Rico, USA

Cyclura cychlura

Bahama Island Rock Iguana
 VU ²³ A1ace, B1+2b, C1
 Bahamas

Cyclura nubila

Cuban Ground Iguana
 VU ⁵⁷ A1cde+2ce
 Cayman Islands, Cuba, Puerto Rico [int]

Cyclura pinguis

Anegada Rock Iguana
 CR ⁷⁶ A1abcde, B1+2abce, C1+2b
 Virgin Islands (British)

Cyclura ricordi

Ricord's Iguana
 CR ¹²⁶ A1ce+2cd, B1+2ce
 Dominican Republic

Cyclura rileyi

San Salvador Rock Iguana
 EN ³⁹ C2a
 Bahamas

Gambelia silus

Blunt-nosed Leopard Lizard
 EN ⁷⁵ A1ce
 USA

Iguana delicatissima

Lesser Antillean Iguana
 VU ³² A1acde+2cde, B1+2abcde
 Anguilla, Antigua and Barbuda, Dominica, Guadeloupe (St Barthélemy, St Martin), Martinique, Netherlands Antilles, St Kitts and Nevis (ex)

Liolaemus huacahuasicus

VU ¹⁸⁵ D2
 Argentina

Liolaemus rabinoi

VU ¹⁸⁵ A1c, D2
 Argentina
 [Lago Nihuil]

Uma inornata

Coachella Valley Fringe-toed Lizard
 EN ⁷⁵ A1a, B1+2c
 USA

Family LACERTIDAE

Algyroides marchi

VU ⁶⁵ B1+2cd
 Spain

Gallotia simonyi

Hierro Giant Lizard
 CR ⁶⁵ B1+2c, C2b
 Spain (Canary Is)

Lacerta bonnali

VU ⁶⁵ B1+2cd
 Spain

Lacerta clarkorum

EN ⁶⁵ C2a
 Georgia, Turkey

Podarcis lilfordi

Lilford's Wall Lizard
 VU ⁶⁵ B1+2bd, D2
 Spain (Balearic Is)

Podarcis milensis

VU ⁶⁵ B1+2bd, D2
 Greece

Podarcis pityusensis

Ibiza Wall Lizard
 VU ⁶⁵ D2
 Spain (Balearic Is)

Family PYGOPODIDAE

Aprasia aurita

VU ¹⁴ B1+2c
 Australia

Delma impar

Striped Legless Lizard
 VU ¹⁴ A1c
 Australia

Delma labialis

Striped Tailed Delma
 VU ¹⁴ A1c+2c, B1+2c
 Australia

Delma torquata

Collared Delma
 VU ¹⁴ A1c+2c
 Australia

Ophidiocephalus taeniatus

Bronzeback Snake-lizard
 VU ¹⁴ A1ac, B1+2c
 Australia

Paradelma orientalis

Brigalow Scaly-foot
 VU ¹⁴ A1c+2c
 Australia

Family SCINCIDAE

Acanthiops lineatus

Woodbush Legless Skink
 VU ¹⁸⁵ A2c
 South Africa

Anomalopus mackayi

Long-legged Worm-skink
 VU ¹⁴ A1c, B1+2c
 Australia

Ctenotus lanceolini

Lancelin Island Skink
 VU ¹⁴ D2
 Australia

Ctenotus zasticus

Hamelin Ctenotus
 VU ¹⁴ D2
 Australia

Cyclodina alani

Robust Skink
 VU ¹⁴ D1+2
 New Zealand

Cyclodina macgregori

MacGregor's Skink
 VU ¹⁴ D2
 New Zealand

Cyclodina whitakeri

Whitaker's Skink
 VU ¹⁴ D1+2
 New Zealand

Egernia kintorei

Great Desert Skink
 VU ¹⁴ A1c
 Australia

Eulamprus leuraensis

Blue Mountain Water Skink
 EN ¹⁴ B1+2c
 Australia

Eumeces longirostris

Bermuda Rock Skink
 CR ⁵⁰ B1+2bcde
 Bermuda

Leiolopisma telfairii

Round Island Skink
 VU ¹⁰⁶ D2
 Mauritius

Lerista allanae

Allan's Lerista
 CR ¹⁴ A1c, B1+2c
 Australia

Lerista vittata

Mount Cooper Striped Lerista
 EN ¹⁴ A1c, B1+2c
 Australia

Neoseps reynoldsi

Sand Skink
 VU ⁷⁵ A2ce
 USA

Niveoscincus palfreymani

Pedra Branca Skink
 VU ¹⁴ D2
 Australia

Oligosoma grande

Grand Skink
 VU ¹⁴ C2a
 New Zealand

Oligosoma homalonotum

Chevron Skink
 VU ¹⁴ D2
 New Zealand



Oligosoma lichenigera
Lord Howe Island Skink
VU¹⁴ B1+2c, D2
Australia, Norfolk Island

Oligosoma microlepis
Small-scaled Skink
VU¹⁴ B1+2bcd
New Zealand

Oligosoma otagense
Otago Skink
VU¹⁴ C2a
New Zealand

Oligosoma striatum
Striped Skink
VU¹⁴ B1+2bcd
New Zealand

Oligosoma waimatense
Scree Skink
VU¹⁴ B1+2bd
New Zealand

Scelotes guentheri
Günther's Dwarf Burrowing Skink
VU¹⁸⁵ A2c
South Africa

Scelotes kasneri
Kasner's Dwarf Burrowing Skink
VU¹⁸⁵ A2c
South Africa

Tiliqua adelaidensis
Pygmy Bluetongue
EN¹⁴ B1+2c
Australia

Typhlosaurus lomii
Lomi's Blind Legless Skink
VU¹⁸⁵ A2c
South Africa

Family TEIIDAE

Ameiva polops
Saint Croix Ground Lizard
CR¹²⁰ B1+2ae
Virgin Islands (US)

Cnemidophorus vanzoi
St Lucia Whiptail
VU⁷⁴ D2
St Lucia

Family VARANIDAE

Varanus komodoensis
Komodo Dragon
VU¹⁸⁵ B1+2cde
Indonesia

Varanus olivaceus
Gray's Monitor
VU¹⁸⁵ A1c
Philippines

Family XANTUSIIDAE

Xantusia riversiana
Island Night Lizard
VU⁷⁵ D2
USA

Order SERPENTES

Family BOIDAE

Acrantophis dumerili
Dumeril's Boa
VU¹⁰⁶ A1cd
Madagascar, Réunion? [int]

Acrantophis madagascariensis
Madagascar Boa
VU¹⁰⁶ A1cd
Madagascar

Aspidites ramsayi
Woma
EN¹³ A1c
Australia

Casarea dussumieri
Round Island Keel-scaled Boa
EN¹⁰⁶ D1
Mauritius

Epicrates subflavus
Jamaican Boa
VU⁷⁴ A2ce
Jamaica

Sanzinia madagascariensis
Madagascar Tree Boa
VU¹⁰⁶ A1cd
Madagascar

Family COLUBRIDAE

Achalinus weneri
Amami Takachiho Snake
VU¹⁸⁵ B1+2c
Japan (Nansei-shoto)

Adelphicos daryi
EN¹⁸⁵ B1+2c
Guatemala

Alsophis antiquae
Antiguan Racer
CR⁵⁷ C2b, D1
Antigua and Barbuda

Alsophis ater
Black Racer
CR⁷⁴ B1+2ce
Jamaica

Alsophis rijersmai
Leeward Island Racer
EN⁵⁷ A2ce, B1+2ce
Anguilla, Guadeloupe (St
Barthélemy, St Martin), Netherlands
Antilles

Alsophis rufiventris
Red-bellied Racer
EN⁵⁷ B1+2ce
Netherlands Antilles, St Kitts and
Nevis (ex)

Chironius vincenti
St Vincent Blacksnake
CR⁸⁸ B1+2ac
St Vincent

Coluber cypriensis
EN⁶⁵ C2a, D1
Cyprus

Coluber gyorensis
CR⁶⁵ D1
Greece

Iguanognathus weneri
VU¹⁸⁵ D2
Indonesia

Lamprophis fiskii
Fisk's House Snake
VU¹⁸⁵ A2cd, B1+2c
South Africa

Liophis cursor
CR³¹ B1+2e, C2b, D1
Martinique

Liophis ornatus
St Lucia Racer
EN⁷⁴ D1
St Lucia

Liophis perfuscus
Barbados Racer
EN³⁸ C2b
Barbados

Natrix megalcephala
Large-headed Water Snake
VU⁶⁵ A1d, C1
Azerbaijan, Georgia, Russia, Turkey

Opisthotropis kikuzatoi
Kikuzato's Brook Snake
CR¹⁸⁵ B1+2c
Japan (Nansei-shoto)

Thamnophis gigas
Giant Garter Snake
VU¹⁵ A1cde+2cde
USA

Thermophis baileyi
VU¹⁸⁵ D2
China

Family ELAPIDAE

Austrelaps labialis
Pygmy Copperhead
VU¹⁴ B1+2c
Australia

Denisonia maculata

Ornamental Snake
VU¹⁴ A1c+2c
 Australia

Echiopsis atriceps

Lake Cronin Snake
VU¹⁴ D2
 Australia

Echiopsis curta

VU¹⁴ B1+2c
 Australia

Furina dunmalli

Dunmall's Snake
VU¹⁴ A1c+2c
 Australia

Hoplocephalus bungaroides

Broad-headed Snake
VU¹⁴ B1+2c
 Australia

Ogmodon vitianus

Fiji Snake
VU¹⁴ B1+2c, D2
 Fiji

Family **HYDROPHIIDAE**

Laticauda crockeri

VU¹⁴ B1+2c, D2
 Solomon Islands
 [L. Te-Nggana]

Family **TYPHLOPIDAE**

Ramphotyphlops exocoeti

Christmas Island Blind Snake
VU¹⁴ D2
 Christmas Island

Typhlops monensis

Mona Blind Snake
EN¹⁷⁴ D1
 Puerto Rico

Family **VIPERIDAE**

Bitis inornata

Plain Mountain Adder
VU¹⁸⁵ A2cd, B1+2ab
 South Africa

Bitis schneideri

Namaqua Dwarf Adder
VU¹⁸⁵ A2cd
 Namibia, South Africa

Bothrops insularis

Golden Lancehead
CR¹⁸⁵ A2d
 Brazil

Crotalus unicolor

Aruba Island Rattlesnake
CR¹²⁴ C2b
 Aruba

Macrovipera schweizeri

Cyclades Blunt-nosed Viper
CR⁶⁵ A1bcd+2bcd, B1+2bce, C2a
 Greece

Trimeresurus mangshanensis

VU¹⁸⁵ D2
 China

Vipera albizona

EN⁶⁵ B1+2e, C2a
 Turkey

Vipera bornmuelleri

VU¹⁸⁵ B1+2c
 Lebanon, Syria

Vipera bulgardaghica

CR⁶⁵ B1+2e, C2a
 Turkey

Vipera darevskii

CR⁶⁵ C2b
 Armenia, Georgia

Vipera dinniki

VU⁶⁵ C1+2a
 Georgia, Russia

Vipera kaznakovi

Caucasian Viper
EN⁶⁵ A1cd+2cd
 Georgia, Russia, Turkey

Vipera latifii

Latifi's Viper
VU¹⁸⁵ B1+2c
 Iran

Vipera pontica

CR⁶⁵ C2ab, D1
 Georgia?, Turkey

Vipera ursinii

EN⁶⁵ A1c+2c
 Austria?, France, Greece, Hungary,
 Italy, Romania, Turkey, Ukraine

Vipera wagneri

EN⁶⁵ A1d+2d, B1+2e, C1
 Iran, Turkey

Order **TESTUDINES**

Family **CARETTOCHELYIDAE**

Carettochelys insculpta

Pig-nose Turtle
VU¹⁷⁶ A1bd
 Australia, Indonesia, Papua New
 Guinea

Family **CHELIDAE**

Acanthochelys chacoensis

Chaco Swamp Turtle
VU¹⁷⁶ B1+2a
 Argentina

Acanthochelys pallidipectoris

Chaco Side-necked Turtle
VU¹⁷⁶ A1c, D1
 Argentina, Bolivia?, Paraguay

Chelodina mccordi

Roti Island Snake-necked Turtle
VU¹⁷⁶ D2
 Indonesia

Chelodina parkeri

Parker's Snake-necked Turtle
VU¹⁷⁶ D2
 Indonesia, Papua New Guinea

Chelodina pritchardi

Pritchard's Snake-necked Turtle
VU¹⁷⁶ D2
 Papua New Guinea

Elseya sp. 1

Namoi River Snapping Turtle
EN¹⁷⁶ B1+2c
 Australia
 [R. Darling]

Elusor macrurus

Mary River Turtle
EN¹⁷⁶ B1+2c
 Australia
 [R. Mary]

Hydromedusa maximiliani

Brazilian Snake-necked Turtle
VU¹⁷⁶ B1+2cd
 Brazil

Phrynops dahl

Dahl's Toad-headed Turtle
CR¹⁷⁶ B1+2c
 Colombia

Phrynops hogen

Hoge's Sideneck Turtle
EN¹⁷⁶ B1+2c
 Brazil

Phrynops zuliae

Zulia Toad-headed Turtle
VU¹⁷⁶ B1+2c
 Venezuela

Pseudemadura umbrina

Western Swamp Turtle
CR¹⁷⁶ A1c, B1+2c, C1+2b, D1
 Australia

Rheodytes leukops

Fitzroy River Turtle
VU¹⁴ A1c+2c, D2
 Australia

Family **CHELONIIDAE**

Caretta caretta

Loggerhead
EN¹⁰⁹ A1abd
 Angola?, Australia, Bahamas,
 Bangladesh, Belize, Brazil, Cape
 Verde?, Cayman Islands, China,
 Colombia, Costa Rica, Cuba,
 Cyprus, Dominican Republic, Egypt,
 Greece, Grenada, Guadeloupe,
 Guatemala, Haiti, Honduras, India?,
 Indonesia, Israel, Italy, Jamaica,
 Japan, Libya, Madagascar, Mexico,



Montserrat, Morocco, Mozambique, Myanmar?, Namibia, New Caledonia, Nicaragua, Oman, Panama, Papua New Guinea?, Philippines, Puerto Rico, Senegal, South Africa, Sri Lanka, St Lucia, Turkey, Turks and Caicos Islands, USA, Venezuela, Virgin Islands (British)

[Atlantic (eastern central, northeast, northwest, southeast, southwest, western central), Indian Ocean (eastern, western), Mediterranean and Black Sea, Pacific (eastern central, northeast, northwest, southeast, southwest, western central)]

Chelonia mydas

Green Turtle

EN ¹⁰⁹ A1abd

American Samoa, Angola, Anguilla, Antigua and Barbuda, Australia, Bahamas?, Bangladesh, Belize, Benin?, Brazil, British Indian Ocean Territory, Cambodia?, Cameroon?, Cape Verde?, Chile?, China, Colombia, Comoros, Congo?, Cook Islands, Costa Rica, Côte d'Ivoire?, Cuba, Cyprus, Djibouti?, Dominica, Dominican Republic, Ecuador (Galápagos Is), Egypt, El Salvador, Equatorial Guinea, Eritrea, Federated States of Micronesia, Fiji, French Guiana, French Polynesia, Gabon?, Ghana?, Grenada, Guadeloupe?, Guam, Guatemala, Guinea?, Guinea-Bissau?, Guyana, Haiti, Honduras?, India, Indonesia, Iran, Israel (ex?), Jamaica, Japan, Kenya, Kiribati, Kuwait, Liberia?, Madagascar, Malaysia, Maldives, Marshall Islands, Martinique, Mauritania, Mauritius (St Brandon), Mayotte, Mexico, Montserrat?, Mozambique, Myanmar, Netherlands Antilles, New Caledonia, Nicaragua, Nigeria?, Niue, Northern Marianas, Oman, Pakistan, Palau, Panama, Papua New Guinea, Peru, Philippines, Puerto Rico, Qatar?, Réunion (Europa, Iles Glorieuses, Juan de Nova, Tromelin), São Tomé & Príncipe, Saudi Arabia, Senegal, Seychelles, Sierra Leone, Solomon Islands, Somalia, Sri Lanka, St Helena (Ascension), St Kitts and Nevis, St Lucia, St Vincent, Sudan?, Suriname, Taiwan?, Tanzania, Thailand, Togo?, Tokelau, Tonga, Trinidad and Tobago, Turkey, Turks and Caicos Islands, Tuvalu, US Minor Pacific Islands (Line Is), USA, United Arab Emirates, Vanuatu, Venezuela, Viet Nam,

Virgin Islands (British), Virgin Islands (US), Western Sahara?, Western Samoa?, Yemen, Zaire?
[Atlantic (eastern central, northeast, northwest, southeast, southwest, western central), Indian Ocean (eastern, western), Mediterranean and Black Sea, Pacific (eastern central, northwest, southwest, western central)]

Eretmochelys imbricata

Hawksbill Turtle

CR ¹⁰⁹ A1abd+2bcd

American Samoa, Anguilla, Antigua and Barbuda, Aruba, Australia, Bahamas, Bangladesh, Barbados, Belize, Brazil, British Indian Ocean Territory, Cambodia, Cameroon?, Cape Verde?, China?, Colombia, Comoros, Cook Islands, Costa Rica, Côte d'Ivoire?, Cuba, Djibouti?, Dominica, Dominican Republic, Ecuador, Egypt, El Salvador?, Equatorial Guinea, Eritrea, Federated States of Micronesia, Fiji, French Guiana, French Polynesia?, Gabon?, Ghana?, Grenada, Guadeloupe, Guam, Guatemala, Guinea?, Guinea-Bissau?, Guyana, Haiti, Honduras, India, Indonesia, Iran, Jamaica, Japan, Kenya, Kiribati?, Kuwait?, Madagascar, Malaysia, Maldives, Marshall Islands, Martinique, Mauritania?, Mayotte, Mexico, Montserrat, Mozambique, Myanmar, Netherlands Antilles, New Caledonia?, Nicaragua, Nigeria?, Northern Marianas?, Oman, Palau, Panama, Papua New Guinea, Philippines, Puerto Rico, Qatar, Réunion (Iles Glorieuses), São Tomé & Príncipe?, Saudi Arabia, Senegal?, Seychelles, Sierra Leone, Solomon Islands, Somalia, Sri Lanka, St Kitts and Nevis, St Lucia, St Vincent, Sudan, Suriname, Taiwan?, Tanzania, Thailand, Tokelau, Tonga?, Trinidad and Tobago, Turks and Caicos Islands, Tuvalu?, US Minor Pacific Islands?, USA, United Arab Emirates?, Vanuatu, Venezuela, Viet Nam?, Virgin Islands (British), Virgin Islands (US), Western Sahara?, Western Samoa, Yemen
[Atlantic (eastern central, northeast, northwest, southeast, southwest, western central), Indian Ocean (eastern, western), Mediterranean and Black Sea, Pacific (eastern central, northwest, southeast, southwest, western central)]

Lepidochelys kempii

Kemp's Ridley

CR ¹⁰⁹ A1ab

Mexico, USA [int]

[Atlantic (eastern central, northeast, northwest, western central)]

Lepidochelys olivacea

Olive Ridley

EN ¹⁰⁹ A1abd

Angola, Australia, Bangladesh, Brazil, Costa Rica, El Salvador, French Guiana, Guatemala, Guyana, Honduras, India, Indonesia, Kenya, Madagascar, Malaysia, Mexico, Mozambique, Myanmar, Nicaragua, Oman, Pakistan, Panama, Papua New Guinea, Peru, Senegal, South Africa, Sri Lanka, Suriname, Tanzania, Thailand, Trinidad and Tobago, Venezuela

[Atlantic (eastern central, southeast, southwest, western central), Indian Ocean (eastern, western), Pacific (eastern central, southeast, southwest, western central)]

Natator depressus

Flatback

VU ¹⁰⁹ A2cde

Australia

[Indian Ocean (eastern), Pacific (southwest, western central)]

Family CHELYDRIDAE

Macrochelys temminckii

Alligator Snapping Turtle

VU ¹⁷⁶ A1cd

USA

Family DERMATEMYDIDAE

Dermatemys mawii

Central American River Turtle

EN ¹⁷⁶ A1abcd+2bcd, B1+2cde

Belize, Guatemala, Honduras, Mexico

Family DERMOCHELYIDAE

Dermochelys coriacea

Leatherback

EN ¹⁰⁹ A1abd

Angola, Anguilla, Antigua and Barbuda, Australia, Brazil, Colombia?, Costa Rica, Côte d'Ivoire, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Fiji, French Guiana, Ghana, Grenada, Guadeloupe, Guatemala, Guyana, Honduras, India, Indonesia, Israel (ex?), Liberia, Malaysia, Martinique, Mexico, Montserrat, Mozambique, Myanmar, Netherlands Antilles, Nicaragua, Panama, Papua New Guinea, Peru?, Puerto Rico, Senegal,

Solomon Islands, South Africa, Sri Lanka, St Kitts and Nevis, St Lucia, St Vincent, Suriname, Thailand, Togo, Trinidad and Tobago, USA, Venezuela?, Virgin Islands (British), Virgin Islands (US), Zaire [Atlantic (eastern central, northeast, northwest, southeast, southwest, western central), Indian Ocean (eastern, western), Mediterranean and Black Sea, Pacific (eastern central, northeast, northwest, southeast, southwest, western central)]

Family EMYDIDAE

Batagur baska

River Terrapin

EN ¹⁷⁶ A1bcd

Bangladesh, Cambodia?, India, Indonesia, Malaysia, Myanmar, Singapore?, Thailand, Viet Nam?

Callagur borneoensis

Painted Terrapin

CR ¹⁷⁶ A1bcd

Brunei?, Indonesia, Malaysia, Thailand

Clemmys guttata

Spotted Turtle

VU ¹⁷⁶ A1cd+2cd

Canada, USA

Clemmys insculpta

Wood Turtle

VU ¹⁷⁶ A1abcd+2cd

Canada, USA

Clemmys marmorata

Pacific Pond Turtle

VU ¹⁷⁶ A1cd

Canada (ex), Mexico, USA

Clemmys muhlenbergii

Bog Turtle

EN ¹⁷⁶ A1cd+2cd

USA

Cuora flavomarginata

Yellow-margined Box Turtle

VU ¹⁷⁶ A2c

China, Japan (Nansei-shoto), Taiwan

Cuora trifasciata

Chinese Three-striped Box Turtle

EN ¹⁷⁶ A2d

China, Laos?, Myanmar?, Viet Nam

Geoemyda depressa

Araikan Forest Turtle

CR ¹⁷⁶ A2cd, B1+2c

Myanmar

Geoemyda japonica

Ryukyu Leaf Turtle

EN ¹⁷⁶ A1c, B1+2c

Japan (Nansei-shoto)

Geoemyda leytenis

Philippine Pond Turtle

EN ¹⁷⁶ B1+2c

Philippines

Geoemyda silvatica

Cochin Forest Cane Turtle

EN ¹⁷⁶ B1+2c

India

Graptemys caglei

Cagle's Map Turtle

VU ¹⁷⁶ A1c, B1+2c

USA

[R. Guadelupe-San Antonio]

Graptemys flavimaculata

Yellow-blotched Map Turtle

EN ¹⁷⁶ B1+2c

USA

[R. Pascagoula]

Graptemys oculifera

Ringed Map Turtle

EN ¹⁷⁶ B1+2c

USA

[R. Pearl]

Heosemys spinosa

Spiny Turtle

VU ¹⁷⁶ A1bd

Brunei, Indonesia, Malaysia, Myanmar?, Thailand

Hieremys annandalii

Yellow-headed Temple Turtle

VU ¹⁷⁶ A1acd+2cd

Cambodia, Malaysia?, Myanmar?, Thailand, Viet Nam

Kachuga kachuga

Red-crowned Roofed Turtle

EN ¹⁷⁶ A1cd

Bangladesh, India, Nepal

Kachuga trivittata

Burmese Roofed Turtle

EN ¹⁷⁶ A1c

Myanmar

Melanochelys tricarinata

Three-keeled Land Tortoise

VU ¹⁷⁶ B1+2c

Bangladesh, India, Nepal?

Pseudemys alabamensis

Alabama Red-bellied Turtle

EN ¹⁷⁶ B1+2c

USA

[Mobile Bay]

Rhinoclemmys rubida

Mexican Spotted Wood Turtle

VU ¹⁷⁶ B1+2c

Mexico

Sacalia bealei

Beal's-eyed Turtle

VU ¹⁷⁶ B1+2c

China, Hong Kong

Sacalia quadriocellata

Four-eyed Turtle

VU ¹⁷⁶ B1+2c

China, Viet Nam

Terrapene coahuila

Aquatic Box Turtle

EN ¹⁷⁶ A1acd, B1+2cd

Mexico

[Cuatro Cienegas basin]

Trachemys aduatrix

Carvalho's Slider

EN ¹⁷⁶ B1+2c

Brazil

Trachemys decorata

Hispaniolan Slider

VU ¹⁷⁶ B1+2c

Dominican Republic, Haiti

Trachemys gaigeae

Big Bend Slider

VU ¹⁷⁶ A1c, D2

Mexico, USA

Trachemys terrapen

Jamaican Slider

VU ¹⁷⁶ B1+2c

Bahamas [int], Jamaica

Family KINOSTERNIDAE

Kinosternon angustipons

Narrow-bridged Mud Turtle

VU ¹⁷⁶ B1+2c

Costa Rica, Nicaragua, Panama

Kinosternon dunni

Dunn's Mud Turtle

VU ¹⁷⁶ B1+2c

Colombia

Kinosternon sonoriense

Sonora Mud Turtle

VU ¹⁷⁶ A1c

Mexico, USA

Sternotherus depressus

Flattened Musk Turtle

VU ¹⁷⁶ B1+2c

USA

[R. Black Warrior]

Family PELOMEDUSIDAE

Erymnochelys madagascariensis

Madagascan Big-headed Turtle

EN ¹⁷⁶ A1cd+2d

Madagascar

Peltocephalus dumerilianus

Big-headed Amazon River Turtle

VU ¹⁷⁶ A1acd

Brazil, Colombia, Ecuador, French Guiana, Guyana?, Peru, Venezuela

***Pelusios broadleyi***

Turkana Mud Turtle
VU¹⁷⁶ **D2**
 Kenya
 [L. Turkana]

Pelusios seychellensis

Seychelles Mud Turtle
VU¹⁷⁶ **D2**
 Seychelles

Podocnemis erythrocephala

Red-headed River Turtle
VU¹⁷⁶ **A1bd**
 Brazil, Colombia, Venezuela

Podocnemis lewyana

Magdalena River Turtle
EN¹⁷⁶ **A1bd**
 Colombia
 [Rio Magdalena basin]

Podocnemis sextuberculata

Six-tubercled River Turtle
VU¹⁷⁶ **A1acd**
 Brazil, Colombia, Peru

Podocnemis unifilis

Yellow-spotted River Turtle
VU¹⁷⁶ **A1acd**
 Bolivia, Brazil, Colombia, Ecuador,
 French Guiana, Guyana, Peru,
 Suriname, Venezuela

Family **TESTUDINIDAE*****Geochelone chilensis***

Argentine Tortoise
VU¹⁷⁶ **A1cd**
 Argentina, Paraguay

Geochelone denticulata

South American Yellow-footed
 Tortoise
VU¹⁷⁶ **A1cd+2cd**
 Brazil, Colombia, Ecuador, French
 Guiana, Guyana, Peru, Suriname,
 Trinidad and Tobago, Venezuela

Geochelone gigantea

Aldabra Giant Tortoise
VU¹⁷⁶ **D2**
 Seychelles

Geochelone nigra

Galápagos Giant Tortoise
VU¹⁷⁶ **A2c, B1+2c**
 Ecuador (Galápagos Is)

Geochelone platynota

Burmese Starred Tortoise
CR¹⁷⁶ **A1cd+2cd, C2a**
 Myanmar

Geochelone radiata

Radiated Tortoise
VU¹⁷⁶ **A1acd+2cd, B1+2abc**
 Madagascar, Mauritius [int],
 Réunion [int]

Geochelone sulcata

African Spurred Tortoise
VU¹⁷⁶ **A1cd**
 Chad, Egypt?, Eritrea?, Ethiopia,
 Mali, Mauritania, Niger?, Nigeria,
 Senegal, Sudan

Geochelone yniphora

Madagascar Tortoise
EN¹⁷⁶ **A1c, B1+2cd**
 Madagascar

Gopherus agassizii

Desert Tortoise
VU¹⁷⁶ **A1ace+2cde, E**
 Mexico, USA

Gopherus flavomarginatus

Bolson Tortoise
VU¹⁷⁶ **A1d, B1+2bc, C1**
 Mexico

Gopherus polyphemus

Gopher Tortoise
VU¹⁷⁶ **A1acde**
 USA

Homopus bergeri

Berger's Cape Tortoise
VU³⁰ **C2a**
 Namibia

Indotestudo elongata

Elongated Tortoise
VU¹⁷⁶ **A1acd**
 Bangladesh, Cambodia, China, India,
 Laos, Malaysia, Myanmar, Nepal,
 Thailand, Viet Nam

Indotestudo forstenii

Travancore Tortoise
VU¹⁷⁶ **A1cd**
 India, Indonesia

Malacochersus tornieri

Pancake Tortoise
VU¹⁷⁶ **A1bd**
 Kenya, Tanzania

Manouria emys

Asian Giant Tortoise
VU¹⁷⁶ **A1cd**
 Bangladesh, Cambodia?, China?,
 India, Indonesia, Laos?, Malaysia,
 Myanmar, Thailand, Viet Nam?

Manouria impressa

Impressed Tortoise
VU¹⁷⁶ **A1acd, B1+2acd**
 Cambodia?, China?, Laos?,
 Malaysia, Myanmar, Thailand,
 Viet Nam

Psammobates geometricus

Geometric Tortoise
EN¹⁷⁶ **A1ac, B1+2c**
 South Africa

Pyxis arachnoides

Spider Tortoise
VU¹⁷⁶ **B1+2abcd**
 Madagascar

Pyxis planicauda

Madagascar Flat-shelled Tortoise
EN¹⁷⁶ **A1cd, B1+2bcd**
 Madagascar

Testudo graeca

Spur-thighed Tortoise
VU¹⁷⁶ **A1cd**
 Albania, Algeria, Armenia,
 Azerbaijan, Bulgaria, Egypt, France
 [int], Georgia, Greece, Iran, Iraq,
 Israel, Italy [int], Jordan, Lebanon,
 Libya, Macedonia, Moldova,
 Morocco, Romania, Russia, Spain,
 Syria, Tunisia, Turkey,
 Turkmenistan, Ukraine, Yugoslavia

Testudo horsfieldii

Central Asian Tortoise
VU¹⁷⁶ **A2d**
 Afghanistan, Armenia?, Azerbaijan,
 China, Iran, Kazakhstan, Kyrgyzstan,
 Pakistan, Russia?, Tajikistan,
 Turkmenistan

Testudo kleinmanni

Egyptian Tortoise
EN¹⁷⁶ **A1abcd**
 Egypt, Israel, Libya

Family **TRIONYCHIDAE*****Amyda cartilaginea***

Asiatic Softshell Turtle
VU¹⁷⁶ **A1cd+2cd**
 Brunei, Indonesia, Laos, Malaysia,
 Myanmar, Thailand, Viet Nam

Apalone ater

Cuatro Ciénegas Softshell
CR¹⁷⁶ **A1ace, B1+2c**
 Mexico

Aspideretes nigricans

Black Soft-shell Turtle
CR¹⁷⁶ **B1+2a**
 Bangladesh

Chitra chitra

Striped Narrow-headed Softshell
 Turtle
CR¹⁷⁶ **A1cd, B1+2c**
 Thailand
 [R. Mae Khlong]

Chitra indica

Narrow-headed Softshell Turtle
VU¹⁷⁶ **A1cd**
 Bangladesh, India, Myanmar,
 Pakistan
 [R. Indus]

Nilssonina formosa

Burmese Peacock Softshell
VU¹⁷⁶ A1acd+2cd, B1+2c
 Myanmar, Thailand?

Pelochelys bibroni

Asian Giant Softshell Turtle
VU¹⁷⁶ A1cd
 Cambodia, China, India, Indonesia,
 Laos, Malaysia, Myanmar, Papua
 New Guinea, Philippines, Thailand,
 Viet Nam

Pelochelys cantorii

Cantor's Giant Softshell
VU¹⁷⁶ A1cd+2cd
 Indonesia, Papua New Guinea

Rafetus euphraticus

Euphrates Softshell Turtle
EN⁶⁵ A1ac+2c
 Iran, Iraq, Syria, Turkey

Class **AMPHIBIA**

Order **ANURA**

Family **BUFONIDAE**

Bufo amatolica

Amatola Toad
VU¹⁸⁵ A2ce
 South Africa

Bufo boreas

EN¹⁸⁵ A1ce
 Canada, Mexico, USA

Bufo canorus

Yosemite Toad
EN¹⁸⁵ A1a, B2be+3b
 USA

Bufo exsul

Black Toad
VU⁷⁵ D2
 USA

Bufo houstonensis

Houston Toad
EN⁷⁵ C2a
 USA

Bufo nelsoni

Amargosa Toad
EN¹⁸⁵ A1ace, B1+2abcd
 USA

Bufo periglenes

Golden Toad
CR¹⁸⁵ B1+2ce+3b
 Costa Rica

Nectophrynoides occidentalis

Mt Nimba Viviparous Toad
EN¹⁸⁵ B1+2c
 Côte d'Ivoire, Guinea, Liberia?

Pedostibes kempii

Garó Hill Tree Toad
VU¹⁸⁵ D2
 India

Pedostibes tuberculosus

Malabar Tree Toad
VU¹⁸⁵ B1+2c
 India

Peltophryne lemur

Puerto Rican Crested Toad
VU¹⁸⁵ A1ace, B2c+3b
 Puerto Rico, Virgin Islands (British)

Family **DISCOGLOSSIDAE**

Alytes dickhilleni

VU⁶⁵ B1+2cd
 Spain

Alytes muletensis

Ferreret
CR⁶⁵ B1+2bc
 Spain (Balearic Is)

Discoglossus montalentii

VU⁶⁵ A2c, B2c+3d, C2a
 France

Family **HELEOPHRYNIDAE**

Heleophryne hewitti

Hewitt's Ghost Frog
EN¹⁸⁵ B1+2abc
 South Africa

Heleophryne rosei

Table Mountain Ghost Frog
VU¹⁸⁵ A1ce+2ce, B1+2abc, D2
 South Africa

Family **HYLIDAE**

Hyla vasta

VU¹⁸⁵ A1c
 Dominican Republic, Haiti

Litoria flavipunctata

Yellow-spotted Tree Frog
CR¹⁴ A1ac
 Australia

Litoria lorica

Armoured Frog
CR¹⁴ A1c
 Australia

Litoria nannotis

Torrent Tree Frog
EN¹⁴ A1c
 Australia

Litoria nyakalensis

Nyakala Frog
CR¹⁴ A1c
 Australia

Litoria pearsoniana

Pearson's Frog
VU¹⁴ A1ac
 Australia

Litoria piperata

Peppered Tree Frog
CR¹⁴ A1ac
 Australia

Litoria raniformis

Southern Bell Frog
EN¹⁴ A1ac
 Australia

Litoria rheocola

Common Mistfrog
EN¹⁴ A1ac
 Australia

Litoria spenceri

Spotted Frog
VU¹⁴ A1ac
 Australia

Nyctimystes dayi

Australian Lace-lid
EN¹⁴ A1ac
 Australia

Family **HYPEROLIIDAE**

Hyperolius pickersgilli

Pickersgill's Reed Frog
VU¹⁸⁵ B1+2abc
 South Africa

Leptopelis xenodactylus

Long-toed Tree Frog
VU¹⁸⁵ A2c
 South Africa

Tachynemesis seychellensis

Seychelle Islands Tree Frog
VU¹⁸⁵ D2
 Seychelles

Family **LEIOPELMATIDAE**

Leiopelma hamiltoni

Hamilton's Frog
VU¹⁴ D2
 New Zealand

Family **LEPTODACTYLIDAE**

Atelognathus grandisonae

VU¹⁸⁵ D2
 Chile

Atelognathus nitoi

VU¹⁸⁵ D2
 Argentina
 [Laguna Verde]

Atelognathus reverberii

VU¹⁸⁵ B1+2c+3b
 Argentina

Atelognathus solitarius

VU¹⁸⁵ D2
 Argentina
 [Las Bayas stream]

***Batrachophrynus macrostomus***

Lake Junin Frog

VU ¹⁸⁵ A2cde

Peru

[L. Junin]

Eleutherodactylus cavernicolaVU ¹⁸⁵ D2

Jamaica

Eleutherodactylus cookiVU ¹⁸⁵ D2

Puerto Rico

Eleutherodactylus fuscusVU ¹⁸⁵ B1+2c

Jamaica

Eleutherodactylus junoriVU ¹⁸⁵ B1+2c

Jamaica

Eleutherodactylus karlschmidtiCR ¹⁸⁵ A1ae

Puerto Rico

Eleutherodactylus sisypodemusVU ¹⁸⁵ D2

Jamaica

Eupsophus migueliVU ¹⁸⁵ D2

Chile

Holoaden bradeiCR ⁸⁰ A1a

Brazil

Hylodes szaimaiVU ¹⁸⁵ A2c

Brazil

Insuetophrynus acarpicusVU ¹⁸⁵ D2

Chile

Paratelmatobius lutziiCR ⁸⁰ A1a

Brazil

Somuncuria somuncurensis

Somuncura Frog

EN ¹⁸⁵ B1+2bc

Argentina

Telmatobius atacamensisEN ¹⁸⁵ A1e

Argentina

Thoropa lutziiCR ⁸⁰ A1a

Brazil

Thoropa petropolitanaCR ⁸⁰ A1a

Brazil

Family MICROHYLIDAE

Breviceps gibbosus

Cape Rain Frog

VU ¹⁸⁵ A2c

South Africa

Breviceps macrops

Desert Rain Frog

VU ¹⁸⁵ A2c

Namibia?, South Africa

Dyscophus antongiliiVU ¹⁰⁶ A1cd

Madagascar

Melanobatrachus indicus

Black Microhylid

EN ¹⁸⁵ B1+2c

India

Family MYOBATRACHIDAE

Geocrinia alba

White-bellied Frog

EN ¹⁴ B1+2c

Australia

Geocrinia vitellina

Yellow-bellied Frog

VU ¹⁴ D2

Australia

Mixophyes balbus

Stuttering Frog

VU ¹⁴ A1c

Australia

Mixophyes fleayi

Fleay's Frog

EN ¹⁴ A1ac

Australia

Mixophyes iteratus

Southern Barred Frog

EN ¹⁴ A1ac

Australia

Philoria frosti

Baw-baw Frog

EN ¹⁴ A1a

Australia

Pseudophryne corroboree

Corroboree Frog

EN ¹⁴ A1ac

Australia

Rheobatrachus silus

Gastric Brooding Frog

CR ¹⁴ A1ac

Australia

Rheobatrachus vitellinus

Southern Gastric Breeding Frog

EN ¹⁴ B1+2bc

Australia

Taudactylus acutirostris

Sharp-nosed Torrent Frog

CR ¹⁴ A1c

Australia

Taudactylus diurnus

Mt Glorious Torrent Frog

CR ¹⁴ D1

Australia

Taudactylus eungellensis

Eungella Torrent Frog

VU ¹⁴ B1+2e

Australia

Taudactylus liemi

Liern's Frog

VU ¹⁴ B1+2e

Australia

Taudactylus pleione

Pleione's Torrent Frog

VU ¹⁴ B1+2e

Australia

Taudactylus rheophilus

Tinkling Frog

CR ¹⁴ A1ac

Australia

Family PIPIDAE

Xenopus gilli

Cape Platanna

VU ¹⁸⁵ A1ce+2ce, B1+2abc+3b

South Africa

Family RANIDAE

Conraua goliath

Goliath Frog

VU ¹⁸⁵ B1+2c

Cameroon, Equatorial Guinea

Mantella aurantiacaVU ¹⁰⁶ A1cd

Madagascar

Microbatrachella capensis

Micro Frog

EN ¹⁸⁵ A1ce+2ce, B2abc+3b

South Africa

Platymantis insulatusVU ¹⁸⁵ D2

Philippines

Platymantis spelaeusVU ¹⁸⁵ D2

Philippines

Platymantis vitiensis

Fijian Ground Frog

EN ¹⁴ B1+2c

Fiji

Rana cascadaeVU ¹⁸⁵ A1a

USA

Rana holsti

Holst's Frog

VU ¹⁸⁵ B1+2c

Japan (Nansei-shoto)

Rana holtziEN ⁶⁵ B1+2bc+3d, E

Turkey

Rana ishikawae

Ishikawa's Frog

VU ¹⁸⁵ B1+2c

Japan (Nansei-shoto)

Rana muscosa
 VU ¹⁸⁵ A1a
 USA

Rana namiyei
 Namiye's Frog
 VU ¹⁸⁵ B1+2c
 Japan (Nansei-shoto)

Rana onca
 Relict Leopard Frog
 VU ¹⁸⁵ A1ac, B1+2ade
 USA

Rana subaspera
 Otton Frog
 VU ¹⁸⁵ B1+2c
 Japan (Nansei-shoto)

Family SOOGLOSSIDAE

Nesomantis thomasseti
 Thomasset's Seychelles Frog
 EN ¹⁸⁵ B1+2c
 Seychelles

Sooglossus gardineri
 Gardiner's Seychelles Frog
 VU ¹⁸⁵ D2
 Seychelles

Sooglossus sechellensis
 Seychelles Frog
 VU ¹⁸⁵ D2
 Seychelles

Order CAUDATA

Family AMBYSTOMATIDAE

Ambystoma californiense
 VU ¹⁸⁵ A2c
 USA

Ambystoma cingulatum
 VU ¹⁸⁵ A1c
 USA

Ambystoma lermaense
 Lake Lerma Salamander
 CR ¹⁸⁵ B1+2c
 Mexico
 [L. Lerma]

Ambystoma mexicanum
 Axolotl
 VU ¹⁸⁵ D2
 Mexico
 [L. Xochimilco]

Family CRYPTOBRANCHIDAE

Andrias japonicus
 Japanese Giant Salamander
 VU ¹⁸⁵ B1+2cd
 Japan

Family HYNOBIIDAE

Batrachuperus gorganensis
 VU ¹⁰³ D2
 Iran

Batrachuperus mustersi
 EN ¹⁸⁵ B1+2bc
 Afghanistan

Batrachuperus persicus
 VU ¹⁰³ D2
 Iran

Hynobius abei
 Abe's Salamander
 EN ¹⁸⁵ B1+2c
 Japan

Hynobius dunni
 Oita Salamander
 VU ¹⁸⁵ A1ac
 Japan

Hynobius hidamontanus
 Hakuba Salamander
 VU ¹⁸⁵ A2c
 Japan

Hynobius okiensis
 Oki Salamander
 EN ¹⁸⁵ B1+2c
 Japan

Hynobius takedai
 Hokuriku Salamander
 EN ¹⁸⁵ B1+2c
 Japan

Ranodon sibiricus
 Semirechensk Salamander
 VU ¹⁰³ A1d+2d
 China, Kazakhstan

Family PLETHODONTIDAE

Batrachoseps aridus
 Desert Slender Salamander
 CR ¹⁵ A2cd
 USA

Batrachoseps campi
 EN ¹⁸⁵ B1+2a
 USA

Batrachoseps simatus
 Kern Canyon Slender Salamander
 VU ⁷⁵ D2
 USA

Batrachoseps stebbinsi
 Tehachapi Slender Salamander
 VU ⁷⁵ D2
 USA

Eurycea nana
 San Marcos Salamander
 VU ⁷⁵ D2
 USA

Eurycea tridentifera
 VU ¹⁸⁵ D2
 USA

Hydromantes brunus
 Limestone Salamander
 VU ⁷⁵ D2
 USA

Hydromantes shastae
 Shasta Salamander
 VU ⁷⁵ D2
 USA

Phaeognathus hubrichti
 Red Hills Salamander
 EN ¹⁵ B1+2c
 USA

Plethodon hubrichti
 VU ¹⁸⁵ D2
 USA

Plethodon neomexicanus
 Jemez Mountains Salamander
 EN ⁷⁵ B1+2c
 USA

Plethodon nettingi
 Cheat Mountain Salamander
 VU ⁷⁵ D2
 USA

Plethodon shenandoah
 Shenandoah Salamander
 EN ¹¹⁴ B1+2c
 USA

Plethodon stormi
 Siskiyou Mts Salamander
 VU ⁷⁵ D2
 USA

Speleomantes flavus
 VU ⁶⁵ C2b, D2
 Italy

Typhlomolge rathbuni
 Texas Blind Salamander
 VU ¹⁸⁵ D2
 USA

Family PROTEIDAE

Proteus anguinus
 Olm
 VU ⁶⁵ B1+2bc, C2a
 Bosnia and Herzegovina, Croatia,
 France [int], Italy, Slovenia

Family SALAMANDRIDAE

Chioglossa lusitanica
 Gold-striped Salamander
 VU ⁶⁵ A2c
 Portugal, Spain

Euproctus platycephalus
 Sardinian Brook Salamander
 CR ⁶⁵ A1ac, B1+2bcd
 Italy

Mertensiella luschani
 Lycian Salamander
 VU ⁶⁵ B1+2cde
 Greece, Turkey

Paramesotriton deloustali
 Vietnamese Salamander
 VU ¹⁸⁵ D2
 Viet Nam

***Salamandra lanzai***

Large Alpine Salamander

VU ⁶⁵ C2a

Italy

The following four Classes include fishes. Most species listed are non-marine. The marine fish listings below represent the first attempt to interpret the conservation status of marine fishes according to the new IUCN Red List criteria. These criteria require further evaluation in order to assess how well they reflect extinction risk in marine fishes.

Class

CEPHALASPIDOMORPHI

Order

PETROMYZONTIFORMESFamily **PETROMYZONTIDAE*****Eudontomyzon hellenicus***

Greek Brook Lamprey

VU ¹⁸⁵ A2ce, B1+2c

Greece

Lethenteron zanandreae

Lombardy Brook Lamprey

EN ¹⁸⁵ B1+2c

Croatia?, Italy, Slovenia

Mordacia praecox

Non-parasitic Lamprey

VU ¹⁷⁹ D2

Australia

Class **ELASMOBRANCHII**Order **HEXANCHIFORMES**Family **HEXANCHIDAE*****Hexanchus griseus***

Bluntnose Sixgill Shark

VU ⁴⁷ A1d+2d

[Atlantic (eastern central, northeast, northwest, southeast, southwest, western central), Indian Ocean (eastern, western), Mediterranean and Black Sea, Pacific (eastern central, northeast, northwest, southeast, southwest)]

Order **LAMNIFORMES**Family **ODONTASPIDIDAE*****Carcharias taurus***

Sand tiger Shark

EN ¹¹⁶ A1ab+2d

[Atlantic (eastern central, northwest, southeast, southwest, western

central), Indian Ocean (eastern, western), Mediterranean and Black Sea, Pacific (northwest, southwest, western central)]

Family **LAMNIDAE*****Carcharodon carcharias***

Great White Shark

VU ⁶⁸ A1bcd+2cd

[Atlantic (eastern central, northeast, northwest, southeast, southwest, western central), Indian Ocean (eastern, western), Mediterranean and Black Sea, Pacific (eastern central, northeast, northwest, southeast, southwest, western central)]

Lamna nasus

Porbeagle

VU ⁶⁹ A1bd+2d

[Atlantic (eastern central, northeast, northwest, southeast, western central), Indian Ocean (Antarctic, eastern, western), Mediterranean and Black Sea, Pacific (southeast, southwest)]

Family **CETORHINIDAE*****Cetorhinus maximus***

Basking Shark

VU ⁶⁸ A1ad+2d

[Atlantic (eastern central, eastern central, northeast, northwest, southeast, southwest), Indian Ocean (eastern), Mediterranean and Black Sea, Pacific (eastern central, northeast, northwest, southeast, southwest)]

Order **CARCHARINIFORMES**Family **CARCHARINIDAE*****Carcharhinus limbatus***

Blacktip Shark

VU ⁶⁹ A1bd+2d

[Atlantic (eastern central, northwest, southeast, southwest, western central), Indian Ocean (eastern, western), Mediterranean and Black Sea, Pacific (eastern central, northwest, southeast, western central)]

Carcharhinus obscurus

Dusky Shark

EN ¹¹⁶ A1d+2d

[Atlantic (eastern central, northwest, southeast, southwest, western central), Indian Ocean (eastern, western), Mediterranean and Black

Sea, Pacific (eastern central, northwest, southeast, southwest, western central)]

Carcharhinus plumbeus

Sandbar Shark

VU ⁶⁹ A1bd+2d

[Atlantic (eastern central, northeast, northwest, southeast, southwest, western central), Indian Ocean (eastern, western), Mediterranean and Black Sea, Pacific (eastern central, northwest, western central)]

Glyphis gangeticus

Ganges Shark

CR ⁴⁶ A1bcde+2cde, C2b

India, Pakistan?

[R. Ganges (R. Hooghly)]

Order **SQUALIFORMES**Family **SQUALIDAE*****Dalatias licha***

Kitefin Shark

VU ⁴⁷ A1d+2d

[Atlantic (eastern central, northeast, northwest, southeast, western central), Indian Ocean (eastern, western), Mediterranean and Black Sea, Pacific (eastern central, northwest, southwest, western central)]

Order **PRISTIFORMES**Family **PRISTIDAE*****Pristis microdon***

Freshwater Sawfish

EN ⁶⁸ A1bcd+2cd

Australia, India, Indonesia, Papua New Guinea, South Africa, Thailand [Indian Ocean (eastern), Pacific (western central)]

Pristis pectinata

Smalltooth Sawfish

EN ⁶⁸ A1bcd+2cd

[Atlantic (southwest, western central), Indian Ocean (eastern, western)]

Pristis perotteti

Largetooth Sawfish

EN ⁶⁸ A1bcd+2cd

Brazil, Colombia, El Salvador, Gambia, Guinea-Bissau, Guatemala, Honduras, Mali, Nicaragua, Panama, Senegal

[Atlantic (northeast, western central, eastern central, southwest), Mediterranean and Black Sea, Pacific (eastern central, southeast)]

Pristis pristis

Common Sawfish

EN⁶⁸ A1bcd+2cd

[Atlantic (eastern central, northeast, southeast), Mediterranean and Black Sea]

Order MYLIOBATIFORMES

Family DASYPATIDAE

Himantura chaophraya

Giant Freshwater Stingray

EN⁴⁷ A1bcde+2cde

Australia, Indonesia, Papua New Guinea, Thailand

[R. Fly, R. Mahakam]

Class ACTINOPTERYGII

Order ACIPENSERIFORMES

Family ACIPENSERIDAE

Acipenser baerii

Siberian Sturgeon

VU¹⁷⁰ A2d

Russia

Acipenser brevirostrum

Shortnose Sturgeon

VU¹⁷⁰ A1c, B1+2cd

Canada, USA

Acipenser dabryanus

Yangtze Sturgeon

CR¹⁷⁰ A1acd+2cd

China

[R. Yangtze]

Acipenser fulvescens

Lake Sturgeon

VU¹⁷⁰ A1ad+2d

Canada, USA

Acipenser guldenstaedti

Russian Sturgeon

EN¹⁷⁰ A2d

Azerbaijan, Bulgaria, Hungary, Iran, Kazakhstan, Moldova, Romania, Russia, Turkey?, Turkmenistan, Ukraine, Yugoslavia

Acipenser medirostris

Green Sturgeon

VU¹⁷⁰ A1ac

Canada, USA

Acipenser mikadoi

Sakhalin Sturgeon

EN¹⁷⁰ C1

Japan, Russia

Acipenser naccarii

Adriatic Sturgeon

VU¹⁷⁰ A1ac

Albania (ex), Croatia, Italy,

Yugoslavia (ex)

[R. Po]

[L. Skadar]

Acipenser nudiventris

Ship Sturgeon

EN¹⁷⁰ A1acde+2d

Azerbaijan, Bulgaria, Hungary, Iran, Kazakhstan (ex), Moldova, Romania, Russia, Ukraine, Uzbekistan (ex) [R. Danube]

Acipenser persicus

Persian Sturgeon

EN¹⁷⁰ A2d

Azerbaijan, Georgia, Iran, Russia, Turkey

Acipenser ruthenus

Sterlet

VU¹⁷⁰ A1c

Austria, Bosnia and Herzegovina, Czech Republic, Germany, Hungary, Kazakhstan (ex?), Latvia, Lithuania, Romania, Russia, Slovakia, Switzerland, Ukraine, Yugoslavia

Acipenser schrencki

Amur Sturgeon

EN¹⁷⁰ A2d

China, Russia

[R. Amur]

Acipenser sinensis

Chinese Sturgeon

EN¹⁷⁰ A2cd

China

[R. Pearl, R. Yangtze]

Acipenser stellatus

Stellate Sturgeon

EN¹⁷⁰ A2d

Azerbaijan, Bulgaria, Georgia, Hungary, Iran, Kazakhstan, Moldova, Romania, Russia, Turkmenistan, Ukraine, Yugoslavia

Acipenser sturio

Common Sturgeon

CR¹⁷⁰ A2d, D1

Albania, Algeria (ex?), Belgium (ex?), Estonia (ex?), Finland (ex?), France, Georgia, Germany (ex?), Greece (ex?), Hungary (ex?), Ireland (ex?), Italy (ex?), Morocco (ex?), Netherlands, Norway (ex?), Poland (ex?), Portugal (ex?), Romania (ex?), Russia (ex?), Spain, Sweden (ex?), Switzerland (ex?), Turkey, Ukraine (ex?), United Kingdom, Yugoslavia (ex?)

Huso dauricus

Kaluga

EN¹⁷⁰ A1acde+2d

China, Russia

[R. Amur]

Huso huso

Beluga

EN¹⁷⁰ A2d

Azerbaijan, Bulgaria, Hungary, Iran, Italy (ex), Kazakhstan, Moldova, Romania, Russia, Turkmenistan, Ukraine, Yugoslavia

Pseudoscaphirhynchus fedtschenkoii

Syr-Dar Shovelnose Sturgeon

CR¹⁷⁰ A1ae, D1

Kazakhstan

[R. Syr Darya]

Pseudoscaphirhynchus hermanni

Small Amu-Dar Shovelnose Sturgeon

CR¹⁷⁰ A1ae, D1

Turkmenistan, Uzbekistan

[R. Amu Darya]

Pseudoscaphirhynchus kaufmanni

Large Amu-Dar Shovelnose Sturgeon

EN¹⁷⁰ A1acd

Tajikistan, Turkmenistan, Uzbekistan

[R. Amu Darya]

Scaphirhynchus albus

Pallid Sturgeon

EN¹⁷⁰ D1

USA

[R. Missouri-Mississippi]

Scaphirhynchus platyrhynchus

Shovelnose Sturgeon

VU¹⁷⁰ A1acd+2d

USA

[R. Missouri-Mississippi]

Scaphirhynchus suttkusi

Alabama Sturgeon

CR¹⁷⁰ A1c+2cd, D1, E

USA

[Mobile Bay]

Family POLYODONTIDAE

Polyodon spathula

Paddlefish

VU¹⁷⁰ C2b

USA

[R. Mississippi]

Psephurus gladius

Chinese Paddlefish

CR¹⁷⁰ A2cd

China

[R. Yangtze]

Order OSTEOGLOSSIFORMES

Family OSTEOGLOSSIDAE

Scleropages formosus

Asian Bonytongue

EN¹⁰¹ A1cd+2cd

Brunei, Cambodia, Indonesia, Malaysia, Philippines, Singapore, Thailand, Viet Nam

Order **CLUPEIFORMES**Family **CLUPEIDAE***Alosa alabamae*

Alabama Shad
EN⁹¹ B1+2e
USA

Alosa macedonia

Liparia
VU¹⁰¹ D2
Greece
[L. Volvi]

Jenkinsia parvula

Venezuelan Herring
VU¹ D2
Venezuela
[Atlantic (western central)]

Tenualosa thibaudeaui

EN¹⁰¹ A1a
Cambodia, Laos, Thailand, Viet Nam

Order **CYPRINIFORMES**Family **CYPRINIDAE***Acheilognathus elongatus*

EN¹⁰¹ B1+2c
China
[L. Dianchi]

Acheilognathus longipinnis

Itasenpara Bitterling
VU¹⁰¹ A1ace, B1+2c
Japan

Alburnus akili

Gokce Baligi
VU¹⁸⁵ A2de
Turkey

Alburnus albidus

Italian Bleak
VU¹⁸⁵ A1ace
Croatia, Italy, Turkey?

Anabarilius polylepis

EN¹⁰¹ B1+2c
China
[L. Dianchi]

Anaocypris hispanica

EN¹⁸⁵ A1ace, B1+2c
Portugal, Spain

Aulopyge hugeli

Dalmatian Barbel-gudgeon
VU¹⁸⁵ A1acde+2ce
Bosnia and Herzegovina?, Croatia

Balantiocheilos melanopterus

Silver Shark
EN¹⁰¹ A1ac
Indonesia, Malaysia, Thailand

Barbopsis devecchi

VU¹⁸⁵ D2
Somalia

Barbus andrewi

Cape Whitefish
VU¹⁵⁸ A1ce
South Africa

Barbus brevipinnis

Shortfin Barb
VU¹⁵⁸ A1c
Mozambique, South Africa

Barbus calidus

Clanwilliam Redfin
EN¹⁵⁸ B1+2ac
South Africa

Barbus capensis

Clanwilliam Yellowfish
VU¹⁵⁸ A1ce
South Africa

Barbus comizo

Iberian Barbel
VU¹⁸⁵ A2ce
Portugal, Spain

Barbus erubescens

Twee River Redfin
CR¹⁵⁸ B2ae+3a, E
South Africa

Barbus euboicus

Petropsaro
CR¹⁸⁵ A2c, B2c+3a
Greece
[Manikiotiko Stream]

Barbus guiraonis

Barbo Mediterraneo
VU¹⁸⁵ A2ce
Spain

Barbus haasi

Barbo de Cola Roja
VU¹⁸⁵ A2ce
Spain

Barbus kimberleyensis

Largemouth Yellowfish
VU¹⁵⁸ A1c
South Africa

Barbus microcephalus

VU¹⁸⁵ A2ce
Portugal, Spain

Barbus motebensis

Marico Barb
VU¹⁵⁸ A1c
South Africa

Barbus prespensis

Briána
VU¹⁸⁵ A2c
Albania, Greece, Macedonia?

Barbus serra

Sawfin
EN¹⁵⁸ B1+2abde, C1
South Africa

Barbus steindachneri

VU¹⁸⁵ A2ce
Portugal
[R. Guadiana]

Barbus trevelyani

Border Barb
CR¹⁵⁸ A1e
South Africa

Caecobarbus geertsi

African Blind Barb Fish
VU¹⁸⁵ A1e, B1+2e, D2
Zaire

Caecocypris basimi

VU¹⁸⁵ D2
Iraq

Cephalakompsus pachycheilus

CR¹⁸⁵ A1ce
Philippines
[L. Lanao]

Chela caeruleostigmata

CR¹⁰¹ A1c
Cambodia, Thailand

Chondrostoma holmwoodii

VU¹⁸⁵ A2e
Turkey

Chondrostoma lusitanicum

Boga-Portuguesa
VU¹⁸⁵ A2ce
Portugal

Chondrostoma scodrensis

CR¹⁸⁵ A1a, B1+2c
Albania, Yugoslavia
[L. Skadar]

Cyprinella alvarezdelvillari

CR⁴⁹ A1ace, B1+2c, C2b
Mexico

Cyprinella bocagrande

Sardinia Bocagrande
CR⁴⁹ A2c, C2b
Mexico

Cyprinella caerulea

Blue Shiner
VU⁷⁵ B1+2ac
USA

Cyprinella formosa

Beautiful Shiner
VU⁷⁵ B2c+3c
Mexico, USA

Cyprinella panarcys

Conchos Shiner
EN⁴⁹ A1ace, E
Mexico

Cyprinella proserpina

Proserpine Shiner
VU⁴⁹ B1+2c, D2
Mexico, USA
[Rio San Carlos]

- Cyprinella santamariae*
Sardinita de Santa Maria
VU⁴⁹ A1c+2c, B1+2c, C2b, D2
Mexico
- Cyprinella xanthicara*
Cuatro Ciénegas Shiner
EN⁴⁹ A2ce
Mexico
- Cyprinus micristius*
EN¹⁸⁵ B1+2c
China
[L. Dianchi]
- Danio pathirana*
Barred Danio
CR¹³⁴ B1+2c
Sri Lanka
- Dionda diabolii*
Devil's River Minnow
VU⁴⁹ A1ac+2e
Mexico, USA
- Dionda dichroma*
Sardinita de Rio Verde
VU⁴⁹ A1ac+2c, D2
Mexico
- Dionda mandibularis*
Sardinita Quijarrona
CR⁴⁹ A2ce, B1+2abc, C2a
Mexico
- Eremichthys acros*
Desert Dace
VU⁷⁵ D2
USA
- Erimystax cahni*
Slender Chub
VU⁷⁵ B1+2ac
USA
- Garra barreimiae*
VU¹⁸⁵ D2
Oman, United Arab Emirates
- Garra dunsirei*
VU¹⁸⁵ D2
Oman
- Garra longipinnis*
VU¹⁸⁵ D2
Oman
- Gibbibarbus cyphotergous*
VU¹⁰¹ D2
China
- Gila alvordensis*
Alvord Chub
VU⁷⁵ D2
USA
- Gila boraxobius*
Borax Lake Chub
VU⁷⁵ D2
USA
[R. Alvord]
- Gila cypha*
Humpback Chub
VU⁷⁵ D2
USA
[R. Colorado]
- Gila ditaenia*
Charalito Sonorense
VU⁴⁹ A2ce, D2
Mexico, USA
- Gila elegans*
Bonytail Chub
EN⁷⁵ B1+2ac
Mexico, USA
- Gila modesta*
Charalito Saltillo
CR⁴⁹ A1ace+2ce, B1+2ab
Mexico
- Gila nigrescens*
Charalito Chihuahua
CR⁴⁹ A1ace+2ce, B1+2abc
Mexico, USA
- Gila purpurea*
Yaqui Chub
VU⁴⁹ A2ce, B1+2abd, D2
Mexico, USA
- Gobio hettitorum*
Dere Kayasi
VU¹⁸⁵ D2
Turkey
[Gökdere Stream]
- Hampala lopezi*
CR¹⁰¹ A1a, B1+2a
Philippines
- Hypognathus amarus*
Rio Grande Minnow
EN⁷⁵ B1+2acd
USA
[Rio Grande]
- Iberocypris palaciosi*
EN¹⁰¹ B1+2c
Spain
[R. Guadalquivir]
- Itichthys phlegethontis*
Least Chub
VU⁷⁵ B1+2ac
USA
[R. Bonneville]
- Iranocypris typhlops*
VU¹⁸⁵ D2
Iran
- Labeo fisheri*
Green Labeo
EN¹³⁴ B1+2c, C2a
Sri Lanka
- Labeo lankae*
VU¹³⁴ A1c+2c, C1
Sri Lanka
- Labeo seeberi*
Clanwilliam Sandfish
CR¹⁵⁸ A1ace
South Africa
- Ladigesocypris ghigii*
Ghizáni
VU¹⁸⁵ A2ce
Greece, Turkey
- Lepidomeda albivallis*
White River Spinedace
CR⁷⁵ A1bce
USA
[R. White]
- Lepidomeda vittata*
Little Colorado Spinedace
VU⁷⁵ D2
USA
[R. Little Colorado]
- Leuciscus illyricus*
VU¹⁸⁵ A1ce+2ce
Croatia
[R. Cetina]
- Leuciscus keadicus*
VU¹⁸⁵ D2
Greece
[R. Evrotas]
- Leuciscus microlepis*
VU¹⁸⁵ A1ace, D2
Croatia
- Leuciscus polylepis*
EN¹⁸⁵ B2c+3a
Croatia
[R. Cikola]
- Leuciscus svallize*
VU¹⁸⁵ A2ce, D2
Croatia
- Leuciscus ukliva*
CR¹⁸⁵ A1ace, B1+2abce
Croatia
[R. Cetina]
- Lythrurus snelsoni*
Ouachita Mountain Shiner
VU⁷⁵ D2
USA
- Macrhybopsis gelida*
Sturgeon Chub
VU⁷⁵ A1c+2c
USA
- Mandibularca resinosa*
Bagangan
CR¹⁸⁵ A1ce
Philippines
[L. Lanao]
- Meda fulgida*
Spikedace
VU⁷⁵ D2
USA



- Moapa coriacea***
Moapa Dace
CR⁷⁵ B1+2c
USA
[R. Muddy]
- Neolissochilus theinmanni***
VU¹⁸⁵ D2
Indonesia
[L. Toba]
- Notropis aguirrepequenoi***
Sardinita del Pilon
VU⁴⁹ A1ace+2ce, B1+2ab, D2
Mexico
- Notropis buccula***
Smalleye Shiner
VU⁷⁵ D2
USA
[R. Brazos]
- Notropis cahabae***
Cahaba Shiner
CR⁷⁵ B1+2cd
USA
[R. Cahaba]
- Notropis imeldae***
Sardinita de Rio Verde
VU⁴⁹ C2b, D2
Mexico
- Notropis mekistocholas***
Cape Fear Shiner
CR⁷⁵ B1+2cd
USA
- Notropis melanostomus***
Blackmouth Shiner
VU⁷⁵ D2
USA
- Notropis moralesi***
Sardinita de Tepelmene
CR⁴⁹ C2b
Mexico
- Notropis simus***
Bluntnose Shiner
EN⁷⁵ A1c
Mexico, USA
[Rio Grande]
- Onychostoma alticorps***
EN¹⁰¹ Alacde
Taiwan
- Opsaridium peringueyi***
Dwarf Sanjika
VU¹⁵⁸ B1+2abc, D2
South Africa
- Oregonichthys crameri***
Oregon Chub
VU⁷⁵ D2
USA
- Ospatulus palaemophagus***
EN¹⁸⁵ A1ce
Philippines
[L. Lanao]
- Ospatulus truncatus***
Bitungu
CR¹⁸⁵ A1ce
Philippines
[L. Lanao]
- Paraphoxinus alepidotus***
VU¹⁸⁵ A2ce
Croatia
- Paraphoxinus croaticus***
VU¹⁸⁵ A2ce
Croatia
- Paraphoxinus ghetaldi***
VU¹⁸⁵ A2ce
Croatia
[R. Buna]
- Paraphoxinus metohiensis***
VU¹⁸⁵ A2ce
Croatia
- Phenacobius teretulus***
Kanawha Minnow
VU⁷⁵ D2
USA
[R. New]
- Phoxinellus anatolicus***
Yag Baligi
EN¹⁸⁵ A2e
Turkey
[L. Akgol, L. Beysehir]
- Phoxinellus egridiri***
Yag Baligi
CR¹⁸⁵ A1e
Turkey
[L. Egridir]
- Phoxinellus handlirschi***
Çiçek
CR¹⁸⁵ A1e
Turkey
[L. Egridir]
- Phoxinus cumberlandensis***
Mountain Blackside Dace
VU⁷⁵ D2
USA
- Phreatichthys andruzzi***
VU¹⁸⁵ D2
Somalia
- Plagopterus argentissimus***
Woundfin
VU⁷⁵ D2
USA
[R. Virgin]
- Pogonichthys macrolepidotus***
Sacramento Splittail
EN⁷⁵ A1c
USA
- Poropuntius tawarensis***
VU¹⁸⁵ D2
Indonesia
[L. Tawar]
- Probarbus jullieni***
Ikan Temoleh
EN¹⁰¹ A1ac
Cambodia, Laos, Malaysia, Thailand,
Viet Nam
- Pseudobarbus asper***
Smallscale Redfin
VU¹⁵⁸ A1ce
South Africa
- Pseudobarbus burchelli***
Burchell's Redfin
EN¹⁵⁸ A1ce+2ce, C1
South Africa
- Pseudobarbus burgi***
Berg River Redfin
CR¹⁵⁸ A1ce, B1+2abce+3acd
South Africa
- Pseudobarbus phlegethon***
Fiery Redfin
EN¹⁵⁸ B1+2ac
South Africa
- Pseudobarbus quathlambae***
Maluti Minnow
CR¹⁵⁸ B1+2abcd
Lesotho
- Pseudobarbus tenuis***
Slender Redfin
EN¹⁵⁸ A1ce+2ce, C1
South Africa
- Pseudophoxinus beoticus***
Paskóviza
EN¹⁸⁵ A2ce
Greece
- Ptychocheilus lucius***
Colorado Squawfish
VU⁷⁵ D2
USA
[R. Colorado]
- Puntius amarus***
Pait
CR¹⁸⁵ A1ce
Philippines
[L. Lanao]
- Puntius bandula***
CR¹³⁴ B1+2c, C1
Sri Lanka
- Puntius baoulan***
Baolan
CR¹⁸⁵ A1ce
Philippines
[L. Lanao]
- Puntius clemensi***
Bagangan
CR¹⁸⁵ A1ce
Philippines
[L. Lanao]

- Puntius disa*
Disa
CR¹⁸⁵ A1ce
Philippines
[L. Lanao]
- Puntius flavifuscus*
Katapa-tapa
CR¹⁸⁵ A1ce
Philippines
[L. Lanao]
- Puntius hemictenus*
VU¹⁰¹ D2
Philippines
- Puntius herrei*
CR¹⁸⁵ A1ce
Philippines
- Puntius katalo*
Katolo
CR¹⁸⁵ A1ce
Philippines
[L. Lanao]
- Puntius lanaoensis*
Kandar
CR¹⁸⁵ A1ce
Philippines
[L. Lanao]
- Puntius lindog*
Lindog
VU¹⁸⁵ A2cde
Philippines
[L. Lanao]
- Puntius manalak*
Manalak
CR¹⁸⁵ A1ce
Philippines
[L. Lanao]
- Puntius manguaensis*
VU¹⁰¹ D2
Philippines
- Puntius martenstyni*
EN¹³⁴ B1+2c
Sri Lanka
- Puntius sirang*
Sirang
VU¹⁸⁵ A2cde
Philippines
[L. Lanao]
- Puntius speleops*
VU¹⁰¹ D2
Thailand
- Puntius tras*
Tras
CR¹⁸⁵ A1ce
Philippines
[L. Lanao]
- Puntius tumba*
Tumba
VU¹⁸⁵ A2cde
Philippines
[L. Lanao]
- Rasbora baliensis*
VU¹⁸⁵ D2
Indonesia
[L. Bratan]
- Rasbora tawarensis*
VU¹⁸⁵ D2
Indonesia
[L. Tawar]
- Rasbora wilpita*
EN¹³⁴ B1+2c
Sri Lanka
- Relictus solitarius*
Relict Dace
EN⁷⁵ B1+2c
USA
- Rhinichthys cobitis*
Loach Minnow
VU⁷⁵ D2
USA
- Rutilus lemmingii*
VU¹⁸⁵ A2ce
Portugal?, Spain
- Rutilus macrolepidotus*
Ruivaco
VU¹⁸⁵ A2ce
Portugal
- Rutilus meidingeri*
EN¹⁰¹ B1+2c
Austria, Germany, Slovakia
[R. Danube]
- Scardinius graecus*
Greek Rudd
VU¹⁸⁵ D2
Greece
- Schizothorax lepidothorax*
EN¹⁸⁵ A1ac, B1+2e
China
[L. Fuxian]
- Sinocyclocheilus anatirostris*
VU¹⁰¹ D2
China
- Sinocyclocheilus angularis*
VU¹⁰¹ D2
China
- Sinocyclocheilus anophthalmus*
VU¹⁰¹ D2
China
- Sinocyclocheilus hyalinus*
VU¹⁰¹ D2
China
- Sinocyclocheilus microphthalmus*
VU¹⁰¹ D2
China
- Spratellicypris palata*
Palata
CR¹⁸⁵ A1ce
Philippines
[L. Lanao]
- Tanakia tanago*
Tokyo Bitterling
VU¹⁰¹ A1ac, B1+2c
Japan
- Tor yunnanensis*
EN¹⁸⁵ A1ac, B1+2e
China
[L. Fuxian]
- Typhlobarbus nudiventris*
VU¹⁰¹ D2
China
- Typhlogarra widdowsoni*
VU¹⁸⁵ D2
Iraq
- Vimba melanops*
Malamída
VU¹⁸⁵ A1ce
Greece, Macedonia?
- Family COBITIDAE
- Botia sidhimunki*
CR¹⁰¹ A1c
Laos, Thailand?
- Cobitis calderoni*
VU¹⁸⁵ A1ace+2ce
Portugal, Spain
- Lepidocephalichthys jonklaasi*
Spotted Loach
EN¹³⁴ B1+2c, C1
Sri Lanka
- Protocobitis typhlops*
VU¹⁰¹ D2
China
- Family BALITORIDAE
- Hemimyzon taitungensis*
VU¹⁰¹ D2
Taiwan
- Homaloptera thamicola*
VU¹⁰¹ D2
Thailand
- Nemacheilus smithi*
VU¹⁸⁵ D2
Iran
[Baq-e-Loveh pool]
- Nemacheilus troglodactaractus*
VU¹⁰¹ D2
Thailand
- Nemacheilus tschaiyssuensis*
VU¹⁸⁵ D2
Turkey
[Çaysuyu stream]



Oreonectes anophthalmus

VU ¹⁰¹ D2

China

Schistura jarutanini

VU ¹⁰¹ D2

Thailand

Schistura oedipus

VU ¹⁰¹ D2

Thailand

Schistura sijuensis

VU ¹⁰¹ D2

India

Sinogastromyzon puliensis

VU ¹⁰¹ D2

Taiwan

Sphaerophysa dianchiensis

VU ¹⁰¹ D2

China

Sundoreonectes tiomanensis

VU ¹⁰¹ D2

Malaysia

Triplophysa gejiuensis

VU ¹⁰¹ D2

China

Triplophysa xiangxensis

VU ¹⁰¹ D2

China

Yunnanilus macrogaster

VU ¹⁰¹ D2

China

Yunnanilus niger

VU ¹⁰¹ D2

China

Yunnanilus nigromaculatus

EN ¹⁰¹ B1+2abc

China

[L. Dianchi]

Family CATOSTOMIDAE

Catostomus bernardini

Yaqui Sucker

VU ⁴⁹ A1ae+2e

Mexico, USA

Catostomus cahita

Matalote Cahita

VU ⁴⁹ A1a, B1+2ac

Mexico

Catostomus conchos

Matalote Conchos

VU ⁴⁹ A1ab, B1+2ac

Mexico

Catostomus leopoldi

Matalote del Bavispe

VU ⁴⁹ A1c, B1+2ac

Mexico

Catostomus microps

Modoc Sucker

EN ⁷⁵ B1+2c, C1

USA

Catostomus santaanae

Santa Ana Sucker

VU ⁷⁵ B1+2c, D2

USA

Catostomus warnerensis

Warner Sucker

VU ⁷⁵ D2

USA

[L. Warner basin]

Catostomus wigginsi

Matalote Opata

VU ⁴⁹ B1+2abc, D2

Mexico

Chasmistes brevirostris

Shortnose Sucker

EN ⁷⁵ B1+2c

USA

Chasmistes cujus

Cui-ui

CR ⁷⁵ B1+2b

USA

[L. Pyramid]

Deltistes luxatus

Lost River Sucker

EN ⁷⁵ B1+2cd

USA

Moxostoma hubbsi

Copper Redhorse

VU ⁷⁵ D2

Canada

Xyrauchen texanus

Razorback Sucker

EN ⁷⁵ A1bc

USA

Order CHARACIFORMES

Family CHARACIDAE

Gymnocharacinus bergi

Naked Characin

EN ¹⁸⁵ A2ce, B1+2c

Argentina

Order SILURIFORMES

Family DIPLOMYSTIDAE

Diplomystes chilensis

Tollo de Agua Dulce

EN ¹⁸⁵ B1+2c

Chile

Family ICTALURIDAE

Ictalurus mexicanus

Bagre de Rio Verde

VU ⁴⁹ A1ac+2c

Mexico

Ictalurus pricei

Bagre de Yaqui

VU ⁴⁹ A1ac+2c, B1+2abc

Mexico

Noturus baileyi

Smoky Madtom

CR ⁷⁵ B1+2c

USA

[R. Little Tennessee]

Noturus flavipinnis

Yellowfin Madtom

VU ⁷⁵ D2

USA

Noturus gilberti

Orangetin Madtom

VU ⁷⁵ D2

USA

Noturus lachneri

Ouachita Madtom

VU ⁷⁵ B1+2cd

USA

Noturus stanauli

Pygmy Madtom

VU ⁷⁵ D2

USA

Noturus taylori

Caddo Madtom

VU ⁷⁵ D2

USA

Noturus trautmani

Scioto Madtom

CR ¹⁸⁵ B1+2c

USA

[R. Scioto (Big Darby Creek)]

Prietella lundbergi

VU ¹⁸⁵ D2

Mexico

Prietella phreatophila

Bagre de Muzquiz

EN ⁴⁹ A1ace+2ce, B1+2bc

Mexico

Satan eurystomus

Widemouth Blindcat

VU ⁷⁵ D2

USA

Trogloglanis pattersoni

Toothless Blindcat

VU ⁷⁵ D2

USA

Family BAGRIDAE

Austroglanis barnardi
Barnard's Rock-catfish
CR¹⁵⁸ B1+2bcd
South Africa

Austroglanis gilli
Clanwilliam Rock-catfish
VU¹⁵⁸ A1ce, B1+2c
South Africa

Coreobagrus ichikawai
Nekogigi
VU¹⁰¹ A1ac, D2
Japan

Pseudobagrus medianalis
EN¹⁰¹ B1+2c
China
[L. Dianchi]

Family SILURIDAE

Silurus mento
EN¹⁰¹ B1+2c
China
[L. Dianchi]

Family PANGASIIDAE

Pangasianodon gigas
Giant Catfish
EN¹⁰¹ C2b
Cambodia, China, Laos, Myanmar
[R. Mekong]

Family AMBLYCIPITIDAE

Liobagrus nigricauda
EN¹⁰¹ B1+2c
China
[L. Dianchi]

Family SISORIDAE

Oreoglanis siamensis
VU¹⁰¹ D2
Thailand

Family CLARIIDAE

Clarias cavernicola
Cave Catfish
CR¹⁵⁸ B1+2c, E
Namibia

Clarias maclareni
CR¹⁸⁵ B1+2c
Cameroon
[L. Barombi Mbo]

Encheloclarias curtisoma
CR¹⁰¹ B1+2bce
Malaysia

Encheloclarias kelioides
CR¹⁰¹ B1+2bcde
Indonesia, Malaysia

Encheloclarias prolatus
VU¹⁰¹ D2
Malaysia

Encheloclarias tapeinopterus

VU¹⁰¹ D2
Indonesia

Horoglanis krishnai
VU¹⁸⁵ D2
India

Uegitglanis zammaranoi
VU¹⁸⁵ B1+2c
Somalia

Family HETEROPNEUSTIDAE

Heteropneustes microps
VU¹⁰¹ D2
Sri Lanka

Family ARIIDAE

Arius bonillai
New Grenada Sea Catfish
EN¹ B1+2cd
Colombia

[Atlantic (western central), Pacific
(eastern central)]

Family PLOTOSIDAE

Oloplotosus torobo
Kutubu Tandan
VU⁵ A2cd
Papua New Guinea
[L. Kutubu]

Family MOCHOKIDAE

Chiloglanis bifurcus
Incomati Suckermouth
CR¹⁵⁸ A1ac
South Africa

Family PIMELODIDAE

Rhamdia reddelli
Juil Ciego
VU⁴⁹ C2b, D2
Mexico

Rhamdia zongolicensis
VU¹⁸⁵ D2
Mexico

Family TRICHOMYCTERIDAE

Trichomycterus chungarensis
VU¹⁸⁵ D2
Chile

Order SALMONIFORMES

Family UMBRIDAE

Umbra krameri
European Mud-minnow
VU¹⁸⁵ A1ace
Austria, Bosnia and Herzegovina?,
Bulgaria, Croatia, Czech Republic?,
Hungary, Moldova, Romania,
Slovakia, Slovenia, Ukraine?,
Yugoslavia

Family OSMERIDAE

Hypomesus transpacificus
Delta Smelt
EN⁷⁵ B1+2cd
USA

Family SALANGIDAE

Neosalanx regani
Ariakehimeshirauo
VU¹⁰¹ A1ace, D2
Japan

Family RETROPINNIDAE

Prototroctes maraena
Australian Grayling
VU¹⁷⁹ A1c
Australia

Family GALAXIIDAE

Galaxias argenteus
Giant Kokopu
VU¹¹³ C2a
New Zealand

Galaxias fontanus
Swan Galaxias
CR¹⁷⁹ B1+2bc
Australia

Galaxias fuscus
Barred Galaxias
CR¹⁷⁹ A1c+2c, B1+2b
Australia
[R. Goulburn]

Galaxias gracilis
Dwarf Inanga
VU¹¹³ A1ce, B1+2cd, D2
New Zealand

Galaxias johnstoni
Clarence Galaxias
CR¹⁷⁹ A1c, B1+2a
Australia

Galaxias pedderensis
Pedder Galaxias
CR¹⁷⁹ A1ac+2c, B1+2abcde
Australia
[L. Pedder drainage]

Galaxias postvectis
Shortjawed Kokopu
VU¹¹³ B1+2bed
New Zealand

Galaxias rekohua
Chathams Galaxias
VU¹¹³ D2
New Zealand (Chatham Is)

Galaxias rostratus
Flat-Headed Galaxias
VU¹⁷⁹ A1c
Australia

***Galaxias tanycephalus***

Saddled Galaxias
 VU ¹⁷⁹ D2
 Australia

Galaxiella pusilla

Dwarf Galaxias
 VU ¹⁷⁹ B1+2bcd
 Australia

Neochanna burrowsius

Canterbury Mudfish
 VU ¹¹³ B1+2bcd
 New Zealand

Paragalaxias mesotes

Arthurs Paragalaxias
 VU ¹⁷⁹ D2
 Australia

Family SALMONIDAE

Acantholingua ohridana

VU ¹⁰¹ B1+2bc
 Albania, Macedonia
 [L. Ohrid]

Coregonus hoyi

Bloater
 VU ⁷⁵ D2
 Canada, USA
 [Great Lakes]

Coregonus huntsmani

Acadian Whitefish
 VU ⁷⁵ D2
 Canada, USA
 [Great Lakes]

Coregonus kiyi

Kiyi
 VU ⁷⁵ D2
 Canada, USA
 [Great Lakes]

Coregonus reighardi

Shortnose Cisco
 CR ⁷⁵ A1ae
 Canada
 [L. Huron (Georgian Bay)]

Coregonus zenithicus

Shortjaw Cisco
 VU ⁷⁵ A1bc
 Canada, USA
 [Great Lakes]

Hucho hucho

Huchen
 EN ¹⁰¹ A2bcde, B1+2bce
 Austria, Bosnia and Herzegovina?,
 Croatia, Czech Republic, Germany,
 Hungary, Poland, Romania,
 Slovakia, Slovenia, Ukraine,
 Yugoslavia
 [R. Danube]

Oncorhynchus apache

Apache Trout
 CR ⁷⁵ A1cd
 USA

Oncorhynchus chrysogaster

Mexican Golden Trout
 VU ⁴⁹ A2ce
 Mexico

Oncorhynchus formosanus

CR ¹⁰¹ B1+2d
 Taiwan

Oncorhynchus gilae

Gila Trout
 EN ⁷⁵ B2ad+3c
 USA

Oncorhynchus ishikawai

Satsukimasu Salmon
 EN ¹⁰¹ A1ac, B2abcde+3abd
 Japan
 [R. Nagara]

Salmo carpio

Carpione del Garda
 VU ¹⁸⁵ A1acde
 Italy
 [L. Garda]

Salmo letnica

VU ¹⁸⁵ A1ad+2d
 Albania, Macedonia
 [L. Ohrid]

Salmo platycephalus

Ala Balik
 CR ¹⁰¹ B1+2abc
 Turkey

Salmothymus obtusirostris

EN ¹⁸⁵ A1ace
 Croatia, Yugoslavia

Salvelinus confluentus

Bull Trout
 VU ⁷⁵ A2e
 Canada, USA

Salvelinus japonicus

Kirikuchi Char
 EN ¹⁰¹ A1acde, B1+2ac
 Japan
 [R. Totsukawa]

Salvethymus svetovidovi

VU ¹⁰¹ D2
 Russia
 [L. El'gygytgyn]

Order PERCOPSIFORMES

Family AMBLYOPSIDAE

Amblyopsis rosae

Ozark Cavefish
 VU ⁷⁵ D1+2
 USA

Amblyopsis spelaea

Northern Cavefish
 VU ⁷⁵ D2
 USA

Speoplatyrhinus poulsoni

Alabama Cavefish
 CR ⁷⁵ C2b
 USA

Typhlichthys subterraneus

VU ¹⁸⁵ D2
 USA

Order GADIFORMES

Family MORIDAE

Physiculus helenaensis

Skulpin
 CR ¹³¹ D1
 St Helena
 [Atlantic (southeast)]

Family GADIDAE

***Gadus morhua* (C)**

Atlantic Cod
 VU ¹⁶² A1bd
 [Atlantic (northeast, northwest)]

***Melanogrammus aeglefinus* (C)**

Haddock
 VU ¹⁶² A1d+2d
 [Atlantic (northeast, northwest)]

Order OPHIDIIFORMES

Family BYTHITIDAE

Lucifuga simile

VU ¹⁸⁵ D2
 Cuba

Lucifuga spelaeotes

New Providence Cusk-eel
 VU ¹⁸⁵ A1ce, B1+2bc, D2
 Bahamas

Lucifuga subterranea

VU ¹⁸⁵ D2
 Cuba

Lucifuga teresinarum

VU ¹⁸⁵ D2
 Cuba

Saccogaster melanomycter

VU ¹ D2
 Colombia
 [Atlantic (western central)]

Stygicola dentata

VU ¹⁸⁵ D2
 Cuba

Typhliasina pearsei

Dama Ciega Blanca
 VU ⁴⁹ D2
 Mexico

Order **BATRACHOIDIFORMES**

Family **BATRACHOIDIDAE**

Batrachoides manglae

Coturo Toadfish

VU¹ D2

Colombia, Venezuela

[Atlantic (western central), Pacific (eastern central)]

Sanopus astrifer

Whitespotted Toadfish

VU¹⁴⁷ D2

Belize

[Atlantic (western central)]

Sanopus greenfieldorum

Whiteline Toadfish

VU¹⁴⁷ D2

Belize

[Atlantic (western central)]

Sanopus reticulatus

Reticulated Toadfish

VU¹⁴⁷ D2

Belize

[Atlantic (western central)]

Sanopus splendidus

Splendid Toadfish

VU¹⁴⁷ D2

Belize, Mexico

[Atlantic (western central)]

Order **LOPHIIFORMES**

Family **BRACHIONICHTHYIDAE**

Brachionichthys hirsutus

Spotted Handfish

CR³⁵ A1cde

Australia

[Indian Ocean (eastern)]

Order **ATHERINIFORMES**

Family **ATHERINIDAE**

Cairnsichthys rhombosomoides

Cairns Rainbowfish

VU¹⁷⁹ A1ce, D2

Australia

Chilatherina bleheri

Bleher's Rainbowfish

VU⁵ A2e

Indonesia

[Danau Biru (L. Holmes)]

Chilatherina sentaniensis

Sentani Rainbowfish

CR⁵ A1ace

Indonesia

[L. Sentani]

Chirostoma bartoni

Charal de la Caldera

VU⁴⁹ A2c, C2b, D2

Mexico

Craterocephalus amniculus

Darling River Hardyhead

VU¹⁷⁹ A1c

Australia

Craterocephalus dalhousiensis

Dalhousie Hardyhead

VU¹⁷⁹ D2

Australia

Craterocephalus fluviatillis

Murray Hardyhead

EN¹⁷⁹ A1c, B1+2ab

Australia

[Kerang Lakes area]

Craterocephalus gloveri

Glovers Hardyhead

VU¹⁷⁹ D2

Australia

Craterocephalus lacustris

Kutubu Hardyhead

VU⁵ A2cd

Papua New Guinea

[L. Kutubu]

Glossolepis incisus

Red Rainbowfish

VU⁵ A2ce

Indonesia

[L. Sentani]

Glossolepis wanamensis

Lake Wanam Rainbowfish

CR⁵ A1ac

Papua New Guinea

[L. Wanam]

Kiunga ballochi

Glass Blue-eye

CR⁵ A1ac, B1+2abcde

Papua New Guinea

Melanotaenia arfakensis

Arfak Rainbowfish

VU⁵ A2ce

Indonesia

[R. Prafi valley]

Melanotaenia boesemani

Boeseman's Rainbowfish

EN⁵ A1ad

Indonesia

[Ayamaru Lakes]

Melanotaenia eachamensis

Lake Eacham Rainbowfish

VU¹⁷⁹ A1ace+2ce, B1+2b, C1, D2

Australia

Melanotaenia lacustris

Lake Kutubu Rainbowfish

VU⁵ A1ac

Papua New Guinea

[L. Kutubu]

Melanotaenia oktediensis

Oktedi Rainbowfish

VU⁵ A2ce

Papua New Guinea

[R. Ok Tedi]

Melanotaenia parva

Lake Kurumoi Rainbowfish

VU⁵ A2ce

Indonesia

[L. Kurumoi]

Menidia extensa

Waccamaw Silverside

VU⁷⁵ D2

USA

[L. Waccamaw]

Paratherina cyanea

VU¹⁰¹ D2

Indonesia

[Malili Lakes]

Paratherina labiosa

VU¹⁰¹ D2

Indonesia

[Malili Lakes]

Paratherina lineata

VU¹⁸⁵ D2

Indonesia

[L. Towuti]

Paratherina striata

VU¹⁰¹ D2

Indonesia

Paratherina wolterecki

VU¹⁰¹ D2

Indonesia

[Malili Lakes]

Poblana alchichica

Charal de Alchichica

CR⁴⁹ A1ac+2c, B1+2c, C2b

Mexico

Poblana letholepis

Charal de la Preciosa

EN⁴⁹ A1ac+2c, B1+2c, C2b

Mexico

Poblana squamata

Charal de Quechulac

EN⁴⁹ A1ac+2c, B1+2c, C2b

Mexico

Pseudomugil mellis

Honey Blue-eye

EN¹⁷⁹ A1acde+2cde

Australia

Rheocles wrightae

Zona

CR¹⁶⁸ A1c

Madagascar

[R. Manambola]



Scaturiginichthys vermeilipinnis
Red-finned Blue-eye

CR¹⁷⁹ A1ce, B2abcde+3d
Australia
[R. Thomson]

Telmatherina abendanoni

VU¹⁰¹ D2
Indonesia
[Malili Lakes]

Telmatherina antoniae

VU¹⁸⁵ D2
Indonesia
[L. Matano]

Telmatherina celebensis

VU¹⁰¹ D2
Indonesia

Telmatherina ladigesii

Celebes Rainbow
VU¹⁰¹ D2
Indonesia

Telmatherina obscura

VU¹⁸⁵ D2
Indonesia
[L. Matano]

Telmatherina opudi

VU¹⁸⁵ D2
Indonesia
[L. Matano]

Telmatherina prognatha

VU¹⁸⁵ D2
Indonesia
[L. Matano]

Telmatherina sarasinorum

VU¹⁸⁵ D2
Indonesia
[L. Matano]

Telmatherina wahjui

VU¹⁸⁵ D2
Indonesia
[L. Matano]

Tominanga aurea

VU¹⁸⁵ D2
Indonesia
[L. Matano]

Tominanga sanguicauda

VU¹⁸⁵ D2
Indonesia
[L. Towuti]

Family PHALLOSTETHIDAE

Phallostethus dunckeri

VU¹⁰¹ D2
Malaysia

Order CYPRINODONTIFORMES

Family APLOCHEILIDAE

Campellolebias brucei

Santa Catarina Sabrefin
VU¹⁸⁵ B1+3bd
Brazil

Cynolebias boitoni

Brasilia Lyrefin
VU¹⁸⁵ B1+3bd
Brazil

Cynolebias constanciae

VU¹⁸⁵ B1+2ac+3bd
Brazil

Cynolebias marmoratus

Ginger Pearlfish
VU¹⁸⁵ B1+2ac+3bd
Brazil

Cynolebias minimus

Minute Pearlfish
VU¹⁸⁵ B1+2ac+3bd
Brazil

Cynolebias opalescens

Opalescent Pearlfish
VU¹⁸⁵ B1+2ac+3bd
Brazil

Cynolebias splendens

Splendid Pearlfish
VU¹⁸⁵ B1+2ac+3bd
Brazil

Nothobranchius sp.

Caprivi Killifish
EN¹⁵⁸ B1+2c
Namibia

Pachypanchax sakaramyi

VU¹⁶⁸ B1+2a, D2
Madagascar

Family CYPRINODONTIDAE

Aphanius anatoliae

Dislisazancik Baligi
EN¹⁰¹ A2ce, B1+2abcd
Turkey

Aphanius burduricus

EN¹⁸⁵ A2e
Turkey

Aphanius splendens

CR¹⁰¹ A1ac, B1+2abce
Turkey

Aphanius sureyanus

CR¹⁰¹ B1+2bc
Turkey

Aphanius transgrediens

CR¹⁰¹ B1+2bcd
Turkey

Crenichthys baileyi

White River Springfish
VU⁷⁵ D2
USA
[R. White]

Crenichthys nevadae

Railroad Valley Springfish
VU⁷⁵ D2
USA

Cualac tessellatus

Cachorrito de Media Luna
EN⁴⁹ A2e, B1+2ab
Mexico

Cyprinodon beltrani

Cachorrito Lodero
EN⁴⁹ A1abc+2bc, B1+2c, C2b
Mexico

Cyprinodon bovinus

Leon Springs Pupfish
CR⁷⁵ A2c
USA

Cyprinodon diabolis

Devils Hole Pupfish
VU⁷⁵ D1+2
USA

Cyprinodon elegans

Comanche Springs Pupfish
EN⁷⁵ A2ce, B1+2ac
USA

Cyprinodon fontinalis

Perrito de Carbonera
EN⁴⁹ A1ae+2e, B1+2ab, C2a
Mexico

Cyprinodon labiosus

Cachorrito Cangrejero
EN⁴⁹ A1abc+2bc, B1+2c, C2b
Mexico

Cyprinodon macrolepis

Largescale Pupfish
EN⁴⁹ A1abc+2bce, B1+2c, C2b
Mexico

Cyprinodon maya

Cachorrito Gigante
EN⁴⁹ A1abc+2bc, B1+2c, C2b
Mexico

Cyprinodon meeki

Cachorrito de Mezquital
CR⁴⁹ A1ae+2c
Mexico

Cyprinodon pachycephalus

Cachorrito Cabezon
CR⁴⁹ A1abc+2bc, B1+2c, C2b
Mexico

Cyprinodon pecosensis

Pecos Pupfish
CR⁷⁵ A2ce
USA

Cyprinodon radiosus

Owens Pupfish

EN⁷⁵ A2ce

USA

Cyprinodon simus

Cachorrito Boxeador

EN⁴⁹ A1abc+2bc, B1+2c, C2b

Mexico

Cyprinodon tularosa

White Sands Pupfish

VU⁷⁵ D2

USA

Cyprinodon verecundus

Cachorrito de Dorsal Larga

CR⁴⁹ A1abc+2bc, B1+2c, C2b

Mexico

Cyprinodon veronicae

Cachorrito de Charco Azul

CR⁴⁹ A1ac, B1+2abce, C1+2b

Mexico

Fundulus julisia

Barrens Topminnow

VU⁷⁵ D2

USA

Fundulus waccamensis

Waccamaw Killifish

VU⁷⁵ D2

USA

[L. Phelps, L. Waccamaw]

Lucania interioris

Sardinilla Cuatro Ciénegas

CR⁴⁹ A1ac+2c, B1+2abc, C2a

Mexico

Orestias chungarensis

VU¹⁸⁵ D2

Chile

[L. Chungara]

Pantanodon madagascariensis

EN¹⁶⁸ B1+2a

Madagascar

Valencia hispanica

Valencia Toothcarp

EN¹⁸⁵ B1+2ce

Spain

Valencia letourneuxi

EN¹⁰¹ A2bcd

Albania?, Greece

Family **GOODEIDAE**

Allotoca maculata

Opal Goodeid

CR⁴⁹ B1+3abc

Mexico

Ataeniobius toweri

Striped Goodeid

EN⁴⁹ A2ce, B1+2abc

Mexico

Characodon audax

Bold Characodon

VU⁴⁹ A1ac+2c, B1+2c, C2a, D2

Mexico

Characodon lateralis

Rainbow Goodeid

EN⁴⁹ A1abe+2be, B1+2ab

Mexico

Girardinichthys multiradiatus

VU⁴⁹ A2ce, D2

Mexico

Girardinichthys viviparus

Mexclapique

CR⁴⁹ A1ce+2ce, B1+2abc

Mexico

Goodea gracilis

VU⁴⁹ A1ace+2ce, B1+2c, C1

Mexico

Hubbsina turneri

CR⁴⁹ A1ac+2c, B1+2e, C2b

Mexico

Ilydon whitei

CR⁴⁹ A1ac, B1+2abc

Mexico

Xenoporphus captivus

Solo Goodeido

EN⁴⁹ A1ce+2ce, B1+2c, C1+2a

Mexico

Family **POECILIIDAE**

Gambusia alvarezii

Guayacon de San Gregorio

VU⁴⁹ A1ce+2ce, B1+2c, C2b, D2

Mexico

Gambusia eurystoma

Guayacon Bocon

CR⁴⁹ A1ac+2ce, B1+2ac, C2b

Mexico

Gambusia gaigei

Big Bend Gambusia

VU⁷⁵ D1+2

USA

Gambusia heterochir

Clear Creek Gambusia

VU⁷⁵ D1+2

USA

[Wilkinson Springs, upper Clear Creek]

Gambusia hurtadoi

Guayacon de Hacienda Dolores

VU⁴⁹ A1ace+2ce, B1+2ac, C2b, D1, E

Mexico

Gambusia krumholzi

VU⁴⁹ A1ce+2ce, D2

Mexico

Gambusia longispinis

Guayacon de Cuatro Ciénegas

VU⁴⁹ A2c, D2

Mexico

Gambusia nobilis

Pecos Gambusia

VU⁷⁵ D2

USA

[R. Pecos]

Poecilia latipunctata

Molly del Tamesi

CR⁴⁹ A1ace+2ce, B1+2ab, C1

Mexico

Poecilia sulphuraria

Molly del Teapa

CR⁴⁹ A1ac+2ce, B1+2ac, C2b

Mexico

Xiphophorus couchianus

Platy Monterrey

CR⁴⁹ A1ce+2ce, B1+2abc, C2a

Mexico

Xiphophorus gordonii

Platy Cuatro Ciénegas

EN⁴⁹ A1a, B1+2abce, C1

Mexico

Xiphophorus meyeri

Platy de Muzquiz

EN⁴⁹ A1ace+2ce, B1+2c, C2b

Mexico

Order **BELONIFORMES**

Family **ADRIANICHTHYIDAE**

Adrianichthys kruyti

Duck-billed Buntingi

CR¹⁰¹ A1ac

Indonesia

[L. Poso]

Oryzias celebensis

VU¹⁸⁵ D2

Indonesia

[L. Sindenreng]

Oryzias marmoratus

VU¹⁰¹ D2

Indonesia

Oryzias matanensis

VU¹⁰¹ D2

Indonesia

[Malili Lakes]

Oryzias nigrimas

Black Buntingi

VU¹⁰¹ A2e, D2

Indonesia

[L. Poso]

Oryzias orthognathus

Buntingi

EN¹⁰¹ A2e

Indonesia

[L. Poso]

***Oryzias profundicola***VU ¹⁰¹ D2Indonesia
[Malili Lakes]***Xenopoecilus oophorus***

Egg-carrying Buntingi

EN ¹⁰¹ A2eIndonesia
[L. Poso]***Xenopoecilus poptae***

Popta's Buntingi

CR ¹⁰¹ A1aeIndonesia
[L. Poso]***Xenopoecilus sarasinorum***EN ¹⁰¹ A1e

Indonesia

Family HEMIRAMPHIDAE

Dermogenys weberiVU ¹⁰¹ D2Indonesia
[Malili Lakes]***Nomorhamphus towaeti***VU ¹⁸⁵ D2Indonesia
[L. Towuti]***Tondanichthys kottelati***VU ¹⁸⁵ D2Indonesia
[L. Tondano]

Order GASTEROSTEIFORMES

Family GASTEROSTEIDAE

Pungitius hellenicus

Ellinopygosteos

CR ¹⁰¹ B1+2bcGreece
[Aggia Paraskevi Spring]

Family PEGASIDAE

Pegasus laternariusVU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]

Order SYNGNATHIFORMES

Family SYNGNATHIDAE

Hippocampus abdominalis

Big-bellied Seahorse

VU ¹⁷⁸ A2dAustralia, New Zealand
[Indian Ocean (eastern), Pacific
(southwest)]***Hippocampus aimei***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus angustus***VU ¹⁷⁸ A2cdAustralia
[Indian Ocean (eastern)]***Hippocampus borbonensis***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus brachyrhynchus***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus camelopardalis***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus capensis***

Knysna Seahorse

VU ¹⁵⁸ B1+2cSouth Africa
[Atlantic (southeast)]***Hippocampus coronatus***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus erectus***

Lined Seahorse

VU ¹⁷⁸ A2cd[Atlantic (northwest, southwest,
western central)]***Hippocampus erinaceus***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus fuscus***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus hippocampus***

Short-snouted Seahorse

VU ¹⁷⁸ A2cd[Atlantic (eastern central, northeast),
Mediterranean and Black Sea]***Hippocampus histrix***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus horai***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus ingens***

Giant Seahorse

VU ¹⁷⁸ A2cd

[Pacific (eastern central)]

Hippocampus japonicusVU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus jayakari***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus kuda***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus longirostris***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus novaehbedorum***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus planifrons***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus raji***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus ramulosus***

Long-snouted Seahorse

VU ¹⁷⁸ A2cd[Atlantic (northeast, western central),
Mediterranean and Black Sea]***Hippocampus reidi***

Slender Seahorse

VU ¹⁷⁸ A2cd[Atlantic (southwest, western
central)]***Hippocampus sindonis***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus spinosissimus***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus taeniops***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]***Hippocampus takakurae***VU ¹⁷⁸ A2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]

Hippocampus trimaculatus

Three-spotted Seahorse
VU 178A1cd+2cd
 [Indian Ocean (eastern, western),
 Pacific (northwest, southwest,
 western central)]

Hippocampus whitei

White's Seahorse
VU 178A2cde
 Australia
 [Indian Ocean (eastern)]

Hippocampus zosterae

Dwarf Seahorse
VU 178A2cd
 [Atlantic (western central)]

Solegnathus dunckeri

Duncker's Pipehorse
VU 178A1d+2d
 Australia
 [Pacific (southwest, western central)]

Solegnathus hardwickii

Pipehorse
VU 178A1d+2d
 [Pacific (northwest, western central)]

Solegnathus lettiensis

Gunther's Pipehorse
VU 178A2d
 Australia, Indonesia
 [Indian Ocean (eastern), Pacific
 (western central)]

Solegnathus robustus

Robust Pipehorse
VU 178A2d
 Australia
 [Indian Ocean (eastern)]

Solegnathus spinosissimus

Spiny Pipehorse
VU 178A1d+2d
 Australia, New Zealand
 [Pacific (southwest)]

Syngnathus watermayeri

River Pipefish
CR 20 B1+2abd
 South Africa

Order SYNBRANCHIFORMES

Family SYNBRANCHIDAE

Ophisternon infernale

Anguila Ciega
EN 49 A1ac+2c, B1+2c
 Mexico

Order SCORPAENIFORMES

Family SCORPAENIDAE

Pontinus nigropunctatus

Deepwater Jack
VU 131 D2
 St Helena
 [Atlantic (southeast)]

Sebastes fasciatus

Redfish
EN 162 A1bd
 [Atlantic (northeast, northwest)]

Sebastes paucispinus

Boccacio Rockfish
CR 162 A1abd+2d
 Canada, Mexico, USA
 [Pacific (eastern central, northeast)]

Family COTTIDAE

Cottus asperimus

Rough Sculpin
VU 75 D2
 USA

Cottus extensus

Bear Lake Sculpin
VU 75 D2
 USA
 [L. Bear]

Cottus greenei

Shoshone Sculpin
VU 75 D2
 USA

Cottus leiopomus

Wood River Sculpin
VU 75 D2
 USA

Cottus petiti

CR 101 B1+2c
 France
 [R. Le Lez]

Cottus pygmaeus

Pygmy Sculpin
CR 75 B1+2a
 USA
 [R. Coosa]

Order PERCIFORMES

Family PERCICHTHYIDAE

Edelia obscura

Yarra Pygmy Perch
VU 179 B1+2bc
 Australia

Maccullochella ikei

Clarence River Cod
EN 179 A1acd
 Australia
 [R. Clarence]

Maccullochella macquariensis

Trout Cod
EN 179 C2a
 Australia

Nannoperca oxleyana

Oxleyan Pygmy Perch
EN 179 A1ce+2c
 Australia

Nannoperca variegata

Variagated Pygmy Perch
VU 179 D2
 Australia

Family POLYPRIONIDAE

Stereolepis gigas

Giant Sea Bass
CR 162 A1bd
 Mexico, USA
 [Pacific (eastern central)]

Family SERRANIDAE

Anthias salmopunctatus

VU 147 D2
 Brazil
 [Atlantic (eastern central, southwest)]

Epinephelus drummondhayi

Speckled Hind
CR 91 A1d+2d
 [Atlantic (southwest, western
 central)]

Epinephelus inermis

Marbled Grouper
VU 91 A2d
 [Atlantic (southwest, western
 central)]

Epinephelus itajara

Jewfish
CR 150 A1d+2d
 [Atlantic (eastern central, southeast,
 southwest), Indian Ocean (western
 central), Pacific (eastern central,
 southeast)]

Epinephelus lanceolatus

Giant Grouper
VU 150 A2d
 [Indian Ocean (eastern, western),
 Pacific (eastern central, northwest,
 southwest, western central)]

Epinephelus nigritus

Warsaw Grouper
CR 150 A1d+2d
 [Atlantic (southwest, western
 central)]

Epinephelus niveatus

Snowy Grouper
VU 91 A1d+2d, B1+2e
 [Atlantic (southwest, western
 central)]



- Epinephelus striatus*
Nassau Grouper
EN¹⁵⁰ A1d+2d
[Atlantic (southwest, western central)]
- Hypoplectrus providencianus*
Masked Hamlet
VU¹ D2
[Atlantic (western central)]
- Mycteroperca cidi*
Venezuelan Grouper
VU¹ D2
Venezuela
[Atlantic (western central)]
- Mycteroperca jordani*
Gulf Grouper
VU¹⁴⁷ A1d+2d
Mexico
[Pacific (eastern central)]
- Mycteroperca microlepis*
Gag
VU⁹¹ A1bd+2d
Brazil, Mexico, USA
[Atlantic (southwest, western central)]
- Mycteroperca olfax*
Bacalao Grouper
VU¹⁴⁷ A2d, D2
Ecuador (Galápagos Is)
[Pacific (eastern central)]
- Mycteroperca prionura*
Sawtail Grouper
VU¹⁴⁷ A1d+2d
Mexico
[Pacific (eastern central)]
- Mycteroperca rosacea*
Leopard Grouper
VU¹⁴⁷ A1d+2d
Mexico
[Pacific (eastern central)]
- Plectranthias chungchowensis*
VU¹⁴⁷ D2
Taiwan
[Pacific (northeast)]
- Pseudanthias regalis*
VU¹⁴⁷ D2
French Polynesia
[Pacific (eastern central)]
- Family **PSEUDOCROMIDAE**
- Pseudochromis pesi*
VU¹⁴⁷ D2
[Indian Ocean (western)]
- Family **TERAPONTIDAE**
- Bidyanus bidyanus*
Silver Perch
VU¹⁷⁹ A1cd
Australia
- Hephaestus adamsoni*
Adamson's Grunter
VU⁵ A2cd
Papua New Guinea
[L. Kutubu]
- Varia jamoerensis*
Yamur Lake Grunter
VU⁵ A2d
Indonesia
[L. Yamur]
- Family **CENTRARCHIDAE**
- Ambloplites cavifrons*
Roanoke Bass
VU⁷⁵ D2
USA
- Family **ELASSOMATIDAE**
- Elassoma okatie*
Bluebarred Pygmy Sunfish
VU⁷⁵ D2
USA
- Family **PERCIDAE**
- Crystallaria asprella*
Crystal Darter
VU⁷⁵ A1c
USA
- Etheostoma aquali*
Coppercheek Darter
VU¹⁸⁵ A2ce
USA
- Etheostoma australe*
Dardo de Conchos
VU⁴⁹ A1ce+2ce, B2c+3a
Mexico
- Etheostoma boschungii*
Slackwater Darter
EN⁷⁵ B1+2c
USA
[R. Tennessee]
- Etheostoma cinereum*
Ashy Darter
VU⁷⁵ D2
USA
- Etheostoma ditrema*
Coldwater Darter
VU⁷⁵ D2
USA
[R. Coosa]
- Etheostoma fonticola*
Fountain Darter
VU⁷⁵ D2
USA
- Etheostoma grahami*
Rio Grande Darter
VU⁴⁹ A2c, B1+2c, D2
Mexico, USA
- Etheostoma moorei*
Yellowcheek Darter
VU⁷⁵ D2
USA
[R. White (R. Little Red)]
- Etheostoma nianguae*
Niangua Darter
VU⁷⁵ B1+2c, D1
USA
[R. Osage]
- Etheostoma nuchale*
Watercress Darter
EN⁷⁵ B1+2ce
USA
[R. Black Warrior]
- Etheostoma okaloosae*
Okaloosa Darter
EN⁷⁵ B1+2c
USA
[Choctawhatchee Bay drainage]
- Etheostoma pallidorsum*
Paleback Darter
VU⁷⁵ D2
USA
[R. Ouachita.]
- Etheostoma pellucidum*
Eastern Sand Darter
VU⁷⁵ A1c
Canada, USA
- Etheostoma pottsi*
Mexican Darter
VU⁴⁹ A1ace+2ce, B1+2c
Mexico
- Etheostoma striatulum*
Striated Darter
VU⁷⁵ D2
USA
[R. Duck]
- Etheostoma trisella*
Trispot Darter
VU⁷⁵ D2
USA
- Etheostoma tuscumbia*
Tuscumbia Darter
VU⁷⁵ D2
USA
[R. Tennessee]
- Etheostoma wapiti*
Boulder Darter
VU⁷⁵ D2
USA
- Gymnocephalus schraetzer*
Striped Ruffe
VU¹⁸⁵ A1ace
Austria, Bulgaria, Croatia?, Czech Republic, Germany, Hungary, Moldova?, Romania, Slovakia, Ukraine?, Yugoslavia
[R. Danube]

Percarina demidoff
VU¹⁸⁵ D2
 Moldova?, Russia, Ukraine

Percina antesella
 Amber Darter
VU⁷⁵ D2
 USA

Percina aurolineata
 Goldline Darter
VU⁷⁵ D2
 USA
 [R. Cahaba, R. Coosa]

Percina burtoni
 Blotchside Logperch
VU⁷⁵ D2
 USA
 [R. Tennessee]

Percina cymatotaenia
 Bluestripe Darter
EN⁷⁵ B1+2ac
 USA

Percina jenkinsi
 Conasauga Logperch
VU⁷⁵ D2
 USA

Percina lenticula
 Freckled Darter
VU⁷⁵ B1+2ad, D2
 USA

Percina pantherina
 Leopard Darter
VU⁷⁵ D2
 USA
 [R. Little]

Percina rex
 Roanoke Logperch
VU⁷⁵ B1+2c, D2
 USA

Percina tanasi
 Snail Darter
VU⁷⁵ D2
 USA

Romanichthys valsanicola
 Asprete
CR¹⁸⁵ A1ace+2ce, B1+2abcde
 Romania
 [R. Arges]

Zingel asper
 Apron
CR¹⁰¹ B1+2abcde
 France, Switzerland
 [R. Rhône]

Zingel streber
 Streber
VU¹⁸⁵ A1ce+2ce
 Austria, Bosnia and Herzegovina,
 Bulgaria, Croatia, Czech Republic,

Germany, Greece, Hungary, Italy?,
 Moldova?, Slovakia, Slovenia,
 Switzerland?, Ukraine, Yugoslavia

Zingel zingel
 Zingel
VU¹⁸⁵ A1ce+2ce
 Austria, Bosnia and Herzegovina,
 Bulgaria, Croatia, Czech Republic,
 Germany, Hungary, Moldova,
 Romania, Slovakia, Slovenia,
 Ukraine, Yugoslavia

Family LUTJANIDAE

Lutjanus analis
 Mutton Snapper
VU⁹¹ A2d, B1+2e
 [Atlantic (southwest, western
 central)]

Lutjanus cyanopterus
 Cubera Snapper
VU⁹¹ A2d
 [Atlantic (southwest, western
 central)]

Family HAEMULIDAE

Anisotremus moricandi
 Brownstriped Grunt
EN¹ A2c
 Brazil, Colombia, Panama, Venezuela
 [Atlantic (eastern central, southwest),
 Pacific (western central)]

Family SPARIDAE

Pagrus pagrus
 Red Porgy
EN⁹¹ A1bd+2d
 [Atlantic (eastern central, northeast,
 northwest, southeast, southwest,
 western central), Mediterranean and
 Black Sea]

Family SCIAENIDAE

Totoaba macdonaldi
 Totoaba
CR⁴⁹ A1abce+2bce, B1+2ce+3ad
 Mexico

Family CHAETODONTIDAE

Chaetodon flavocoronatus
 Yellow-crowned Butterflyfish
VU¹⁴⁷ D2
 Guam
 [Pacific (western central)]

Chaetodon litus
 Easter Island Butterflyfish
VU¹¹¹ D2
 Chile (Easter Id)
 [Pacific (southwest)]

Chaetodon marleyi
 Marley's Butterflyfish
VU¹⁴⁷ D2
 [Atlantic (southeast)]

Chaetodon obliquus
VU¹⁴⁷ D2
 Brazil
 [Atlantic (eastern central, southwest)]

Family POMACANTHIDAE

Centropyge resplendens
 Resplendent Pygmy Angelfish
VU¹⁴⁷ D2
 St Helena (Ascension)
 [Atlantic (southeast)]

Family CICHLIDAE

Allochromis welcommei
CR⁹⁷ A1acde, B1+2ce
 Uganda
 [L. Nawampasa]

Astatotilapia "dwarf bigeye scraper"
CR⁹⁷ A1ace, B1+2c
 Kenya
 [L. Kanyaboli]

Astatotilapia "shovelmouth"
EN⁹⁷ A1acde, B1+2ce
 Uganda
 [L. Kyoga, L. Nawampasa]

Astatotilapia barbara
EN⁹⁷ A1ace, B1+2bcde
 Uganda
 [R. Victoria Nile]
 [L. Nawampasa, L. Victoria]

Astatotilapia brownae
EN⁹⁷ A1ace
 Tanzania
 [L. Victoria]

Astatotilapia latifasciata
CR⁹⁷ A1acde, B1+2ce
 Uganda
 [L. Nawampasa]

Astatotilapia piceata
EN⁹⁷ A1ace, B1+2acd
 Tanzania
 [L. Victoria]

Astatotilapia velifer
VU⁹⁷ A1ac, B1+2c
 Uganda
 [Nabugabo Lakes]

Chetia brevis
 Orange-fringed Largemouth
VU¹⁵⁸ A1e
 Mozambique, South Africa



- Cichlasoma bartoni***
Mojarra Caracolera
VU⁴⁹ A1ac+2c, B1+2c, C1
Mexico
- Cichlasoma labridens***
Mojarra
EN⁴⁹ A2ce, B2ab+3a
Mexico
- Cichlasoma minckleyi***
Mojarra Caracolera de Cuatro
Cienegas
VU⁴⁹ A1ce+2ce, B1+2c
Mexico
- Cichlasoma pantostictum***
Mojarra
VU⁴⁹ A1c, B1+2c
Mexico
- Cichlasoma steindachneri***
Mojarra
VU⁴⁹ A2e, B1+2c, D2
Mexico
- Enterochromis paropius***
CR⁹⁷ A1ace, B1+2acd
Tanzania
[L. Victoria]
- Gaurochromis simpsoni***
EN⁹⁷ A1ace, B1+2cd
Uganda
[Nabugabo Lakes]
- Haplochromis "ruby"***
CR⁹⁷ A1acde, B1+2ce
Uganda
[L. Nawampasa]
- Haplochromis annectidens***
CR⁹⁷ A1ace, B1+2cde
Uganda
[L. Nabugabo]
- Haplochromis obliquidens***
EN⁹⁷ A1ace, B1+2acd
Tanzania, Uganda
[L. Bunyoni, L. Victoria]
- Harpagochromis "frogmouth"***
VU⁹⁷ A1ac, B1+2acd
Kenya, Uganda
[L. Victoria]
- Harpagochromis plagiostoma***
CR⁹⁷ A1ace, B1+2acd
Uganda
[L. Victoria]
- Harpagochromis worthingtoni***
CR⁹⁷ A1acde, B1+2ce
Uganda
[L. Nawampasa]
- Konia dikume***
Dikume
CR¹⁸⁵ A1cde, B1+2c
Cameroon
[L. Barombi Mbo]
- Konia eisentrauti***
Konye
CR¹⁸⁵ B1+2c
Cameroon
[L. Barombi Mbo]
- Lipochromis "backflash cryptodon"***
CR⁹⁷ A1acde, B1+2ce
Uganda
[L. Nawampasa]
- Lipochromis "black cryptodon"***
CR⁹⁷ A1ace, B1+2acd
Tanzania
[L. Victoria]
- Lipochromis "parvidens-like"***
CR⁹⁷ A1acde, B1+2ce
Uganda
[L. Nawampasa]
- Lipochromis "small obesoid"***
CR⁹⁷ A1acde, B1+2ce
Uganda
[L. Nawampasa]
- Lipochromis maxillaris***
CR⁹⁷ A1ace, B1+2abcde
Kenya
[L. Kanyaboli]
- Lipochromis melanopterus complex***
CR⁹⁷ A1ace, B1+2acd
Tanzania
[L. Victoria]
- Macrolepurodus bicolor***
CR⁹⁷ A1ace, B1+2acd
Tanzania
[L. Victoria]
- Myaka myaka***
Myaka Myaka
CR¹⁸⁵ B1+2c
Cameroon
[L. Barombi Mbo]
- Oreochromis esculentus***
VU⁹⁷ A1acde, B1+2ce
Kenya, Tanzania, Uganda
- Oreochromis variabilis***
VU⁹⁷ A1acde, B1+2ce
Kenya, Uganda
[L. Nawampasa, L. Victoria]
- Oxylapia polli***
VU¹⁶⁸ D2
Madagascar
[Marolambo Rapids, R. Nosivolo]
- Paralabidochromis beadleii***
CR⁹⁷ A1ace, B1+2cd
Uganda
[L. Nabugabo]
- Paralabidochromis chilotes complex***
VU⁹⁷ A1ace, B1+2acd
Kenya, Tanzania, Uganda
[L. Victoria]
- Paralabidochromis chromogynos***
VU⁹⁷ A1ace, B1+2acd
Kenya, Tanzania, Uganda
[L. Victoria]
- Paralabidochromis crassilabris***
VU⁹⁷ A1ace, B1+2acd
Kenya, Tanzania, Uganda
[L. Victoria]
- Paralabidochromis victoriae***
CR⁹⁷ A1ace, B1+2abcd
Kenya
[L. Victoria]
- Paretroplus dami***
Damba
VU¹⁶⁸ A2ce
Madagascar
- Paretroplus kieneri***
Kotsovato
VU¹⁶⁸ A2ce
Madagascar
- Paretroplus maculatus***
Damba Mipentina
CR¹⁶⁸ A2cde, B1+2abcde
Madagascar
- Paretroplus petiti***
Kotso
CR¹⁶⁸ A2cde, B1+2abcde
Madagascar
- Prognathochromis "long snout"***
EN⁹⁷ A1acde, B1+2ce
Uganda
[L. Kyoga, L. Nawampasa]
- Prognathochromis howesi***
EN⁹⁷ A1ace, B1+2acd
Tanzania
[L. Victoria]
- Prognathochromis mento***
CR⁹⁷ A1ace, B1+2acd
Tanzania
[L. Victoria]
- Prognathochromis venator***
EN⁹⁷ A1ace, B1+2cd
Uganda
[Nabugabo Lakes]
- Prognathochromis worthingtoni***
CR⁹⁷ A1acde, B1+2ce
Uganda
[L. Nawampasa]
- Psammochromis acidens***
VU⁹⁷ A1ace, B1+2acd
Kenya, Tanzania, Uganda
[L. Victoria]
- Psammochromis aelocephalus***
VU⁹⁷ A1ac, B1+2acd
Kenya, Tanzania, Uganda
[L. Victoria]

Ptychchromoides sp.

Katria
VU¹⁶⁸ D2
 Madagascar

Ptychchromoides betsileanus

Trondo Mainty
CR¹⁶⁸ A1ace, B1+2abcde, C2a
 Madagascar

Ptychchromis “Rusinga oral sheller”

CR⁹⁷ A1ace, B1+2acd
 Kenya
 [L. Victoria]

Ptychchromis “rainbow sheller”

CR⁹⁷ A1ac, B1+2acd
 Kenya, Tanzania
 [L. Victoria]

Ptychchromis annectens

EN⁹⁷ A1ace, B1+2acd
 Kenya
 [L. Victoria]

Ptychchromis granti

EN⁹⁷ A1ace, B1+2acd
 Kenya
 [L. Victoria]

Ptychchromis sauvagei

VU⁹⁷ A1ace, B1+2acd
 Kenya, Tanzania
 [L. Victoria]

Pungu maclareni

Pungu
CR¹⁸⁵ B1+2c
 Cameroon
 [L. Barombi Mbo]

Pyxichromis orthostoma

VU⁹⁷ A1ace, B1+2ce
 Uganda
 [L. Kyoga, L. Nawampasa]

Sarotherodon caroli

Fissi
CR¹⁸⁵ B1+2c
 Cameroon
 [L. Barombi Mbo]

Sarotherodon linnellii

Unga
CR¹⁸⁵ B1+2c
 Cameroon
 [L. Barombi Mbo]

Sarotherodon lohbergeri

Leka Keppe
CR¹⁸⁵ B1+2c
 Cameroon
 [L. Barombi Mbo]

Sarotherodon steinbachi

Kululu
CR¹⁸⁵ B1+2c
 Cameroon
 [L. Barombi Mbo]

Stomatepia mariae

Nsess
CR¹⁸⁵ B1+2c
 Cameroon
 [L. Barombi Mbo]

Stomatepia mongo

Mongo
CR¹⁸⁵ A1cde, B1+2c
 Cameroon
 [L. Barombi Mbo]

Stomatepia pindu

Pindu
CR¹⁸⁵ B1+2c
 Cameroon
 [L. Barombi Mbo]

Tilapia “jewel”

VU¹⁶⁸ D2
 Cameroon
 [L. Ejagham]

Tilapia “little black”

VU¹⁶⁸ D2
 Cameroon
 [L. Ejagham]

Tilapia “yellow-green”

VU¹⁶⁸ D2
 Cameroon
 [L. Ejagham]

Tilapia bakossiorum

VU¹⁸⁵ D2
 Cameroon
 [L. Bermin]

Tilapia bemini

VU¹⁸⁵ D2
 Cameroon
 [L. Bermin]

Tilapia bythobathes

VU¹⁸⁵ D2
 Cameroon
 [L. Bermin]

Tilapia deckerti

VU¹⁸⁵ D2
 Cameroon
 [L. Ejagham]

Tilapia flava

VU¹⁸⁵ D2
 Cameroon
 [L. Bermin]

Tilapia guinasana

Otjikoto Tilapia
CR¹⁵⁸ B1+2ce
 Namibia

Tilapia gutturosa

VU¹⁸⁵ D2
 Cameroon
 [L. Bermin]

Tilapia imbriferina

VU¹⁸⁵ D2
 Cameroon
 [L. Bermin]

Tilapia kottae

VU¹⁸⁵ D2
 Cameroon
 [L. Barombi ba Kotto, L. Mboardong]

Tilapia snyderae

VU¹⁸⁵ D2
 Cameroon
 [L. Bermin]

Tilapia spongotroktis

VU¹⁸⁵ D2
 Cameroon
 [L. Bermin]

Tilapia thysi

VU¹⁸⁵ D2
 Cameroon
 [L. Bermin]

Xystichromis “Kyoga flameback”

CR⁹⁷ A1ace, B1+2ce
 Uganda
 [L. Nawampasa]

Xystichromis nuchisquamulatus

EN⁹⁷ A1ace, B1+2acd
 Kenya
 [L. Victoria]

Xystichromis phytophagus

CR⁹⁷ A1ace, B1+2acd
 Kenya
 [L. Kanyaboli]

Yssichromis pyrrhocephalus

VU⁹⁷ A1ace, B1+2acd
 Kenya, Tanzania
 [L. Victoria]

Family POMACENTRIDAE

Chromis sanctaehelenae

VU¹⁴⁷ D2
 St Helena
 [Atlantic (southeast)]

Stegastes sanctaehelenae

VU¹⁴⁷ D2
 St Helena
 [Atlantic (southeast)]

Stegastes santipaulae

VU¹⁴⁷ D2
 Brazil
 [Atlantic (eastern central, southwest)]

Family MUGILIDAE

Liza luciae

Saint Lucia Mullet
EN¹⁵⁸ B1+2ab+3a
 South Africa



Family LABRIDAE

Cheilinus undulatus

Humphead Wrasse

VU¹⁵⁰ A1d+2cd[Indian Ocean (eastern, western),
Pacific (northwest, western central)]*Lachnolaimus maximus*

Hogfish

VU⁹¹ A2d[Atlantic (southwest, western
central)]*Thalassoma ascensionis*VU¹⁴⁷ D2

St Helena (Ascension)

[Atlantic (southeast)]

*Xyrichtys virens*VU¹⁴⁷ D2

French Polynesia

[Pacific (eastern central, southwest)]

Family SCARIDAE

Scarus guacamaia

Rainbow Parrotfish

VU¹⁵⁰ A1d+2d[Atlantic (southwest, western
central)]

Family CLINIDAE

Clinus spatulatus

Bot River Klipfish

EN¹⁵⁸ B1+2c

South Africa

Family CHAENOPSIDAE

Coralliozetus tayrona

Tayrona Blenny

VU¹ D2

Colombia

*Protemblemaria punctata*VU¹ D2

Venezuela

[Atlantic (western central)]

Family CALLIONYMIDAE

Callionymus sanctaehelenae

St Helena Dragonet

CR¹³¹ D1

St Helena

[Atlantic (southeast)]

Family ELEOTRIDAE

*Boroda expatria*VU¹⁸⁵ D2

Philippines

[L. Manguao]

Gobiomorphus alpinus

Tarnedale Bully

VU¹¹³ D2

New Zealand

Mogurnda furva

Black Mogurnda

VU⁵ A2cd

Papua New Guinea

[L. Kutubu]

Mogurnda spilota

Blotched Mogurnda

VU⁵ A2cd

Papua New Guinea

[L. Kutubu]

Mogurnda variegata

Variegated Mogurnda

VU⁵ A2cd

Papua New Guinea

[L. Kutubu]

Mogurnda vitta

Striped Mogurnda

VU⁵ A2cd

Papua New Guinea

[L. Kutubu]

*Typhleotris madagascarensis*VU¹⁶⁸ D2

Madagascar

*Typhleotris pauliani*VU¹⁶⁸ D2

Madagascar

Family GOBIIDAE

Chlamydogobius gloveri

Dalhousie Goby

VU¹⁷⁹ D2

Australia

Chlamydogobius micropterus

Elizabeth Springs Goby

CR¹⁷⁹ A1c, B1+2c

Australia

Chlamydogobius squamigenus

Edgbaston Goby

CR¹⁷⁹ A1ace, B2abcde+3d

Australia

*Economidichthys pygmaeus*VU¹⁸⁵ A2ce

Greece

Economidichthys trichonis

Nanogoviós

VU¹⁸⁵ D2

Greece

[L. Trichonis]

Eucyclogobius newberryi

Tidewater Goby

VU⁷⁵ A1c+2c

USA

*Glossogobius flavipinnis*VU¹⁸⁵ D2

Indonesia

[L. Towuti]

*Glossogobius ankaranensis*CR¹⁸⁵ B1+2c

Madagascar

*Glossogobius intermedius*VU¹⁰¹ D2

Indonesia

*Glossogobius matanensis*VU¹⁰¹ D2

Indonesia

*Knipowitschia croatica*VU¹⁰¹ D2

Croatia

*Knipowitschia punctatissima*VU¹⁸⁵ A2c

Italy

Knipowitschia thessala

Thessalogovinós

VU¹⁸⁵ A2ce

Greece

*Lentipes whitenorum*VU¹⁰¹ D2

Indonesia

*Mugilogobius adeia*VU¹⁰¹ D2

Indonesia

*Mugilogobius latifrons*VU¹⁰¹ D2

Indonesia

Padogobius nigricans

Arno Goby

VU¹⁸⁵ A1ace

Italy

Pandaka pygmaea

Dwarf Pygmy Goby

CR¹⁸⁵ A1ace

Philippines

[R. Malabon]

*Sicyopus axillimentus*VU¹⁰¹ D2

Philippines

*Stiphodon surrurus*VU¹⁰¹ D2

Philippines

*Stupidogobius flavipinnis*VU¹⁰¹ D2

Indonesia

[Malili Lakes]

Tamanka sarasinorum

Sarasin's Goby

VU¹⁰¹ D2

Indonesia

[Malili Lakes]

Weberogobius amadi

Poso Bungu

CR¹⁰¹ A1ae

Indonesia

[L. Poso]

Family **SCOMBRIDAE**

Scomberomarus cancolor
Monterrey Spanish Mackerel

EN¹⁵¹ A1c+2d
Mexico
[Pacific (western central)]

Thunnus maccoyii (C)
Southern bluefin Tuna

CR¹⁴⁴ A1bd
[Atlantic (southeast, southwest),
Indian Ocean (eastern, western),
Pacific (southwest)]

Thunnus abesus (C)
Bigeye Tuna

VU¹⁷⁷ A1bd
[Atlantic (eastern central, southeast,
southwest, western central), Indian
Ocean (eastern, western), Pacific
(eastern central, northwest,
southeast, southwest, western
central)]

Family **ANABANTIDAE**

Sandelia bainsii
Eastern Province Rocky
EN¹⁵⁸ A1e, B1+2abcd
South Africa

Family **BELONTIIDAE**

Betta burdigala
VU¹⁰¹ D2
Indonesia

Betta chini
VU¹⁰¹ D2
Malaysia

Betta chloropharynx
VU¹⁰¹ D2
Indonesia

Betta hipposideros
VU¹⁰¹ D2
Malaysia

Betta livida
EN¹⁰¹ B1+2c
Malaysia

Betta macrostoma
VU¹⁰¹ D2
Brunei

Betta miniopinna
CR¹⁰¹ A2c
Indonesia

Betta persephone
CR¹⁰¹ B1+2c
Malaysia

Betta simplex
VU¹⁰¹ D2
Thailand

Betta spilotogeta
CR¹⁰¹ A2c
Indonesia

Betta tomi
VU¹⁰¹ D2
Malaysia

Parosphromenus harveyi
EN¹⁰¹ B1+2c
Malaysia

Order **PLEURONECTIFORMES**

Family **PLEURONECTIDAE**

Hippoglossus hippoglossus
Atlantic Halibut
EN¹⁶² A1d
[Atlantic (northeast, northwest)]

Pleuronectes ferrugineus (C)
Yellowtail Flounder
VU¹⁶² A1bd
Canada, USA
[Atlantic (northeast)]

Order **TETRAODONTIFORMES**

Family **BALISTIDAE**

Balistes vetula
Queen Triggerfish
VU¹⁴⁷ A2d
[Atlantic (eastern central, southeast,
southwest, western central)]

Family **TETRAODONTIDAE**

Canthigaster rapaensis
VU¹⁴⁷ D2
French Polynesia
[Pacific (southwest)]

Liosaccus pachygaster
VU¹⁴⁷ D2
Taiwan
[Pacific (northwest)]

Class **SARCOPTERYGII**

Order **COELACANTHIFORMES**

Family **LATIMERIIDAE**

Latimeria chalumnae
Coelacanth
EN¹¹⁶ A2cd, C2b
Comoros, South Africa
[Atlantic (southeast), Indian Ocean
(western)]

Class **ARACHNIDA**

Order **ARANEAE**

Family **LINYPHIIDAE**

Troglohyphantes gracilis
Kocevje Subterranean Spider
VU¹⁸⁵ D2
Slovenia

Troglohyphantes similis
Kocevje Subterranean Spider
VU¹⁸⁵ D2
Slovenia

Troglohyphantes spinipes
Kocevje Subterranean Spider
VU¹⁸⁵ D2
Slovenia

Family **LYCOSIDAE**

Adelocosa anops
Kauai Cave Wolf Spider
EN¹⁸⁵ B1+2c
USA (Hawaiian Is)

Pardosa diuturna
Glacier Bay Wolf Spider
VU¹⁸⁵ D2
USA

Sosippus placidus
Lake Placid Funnel Wolf Spider
VU¹⁸⁵ D2
USA

Family **PISAURIDAE**

Dolomedes plantarius
Great Raft Spider
VU¹⁸⁵ A1ace+2ce
Austria, Belarus?, Belgium,
Denmark, France, Georgia?,
Germany, Hungary, Italy, Latvia,
Lithuania, Netherlands, Poland,
Romania, Russia, Slovakia, Sweden

Family **TETRAGNATHIDAE**

Meta dolloff
Dolloff Cave Spider
VU¹⁸⁵ D2
USA

Order **OPILIONES**

Family **PHALANGODIDAE**

Banksula melones
Melones Cave Harvestman
VU¹⁸⁵ A2c
USA



Order PSEUDOSCORPIONIDA

Family NEOBISIIDAE

Fissilicreagris imperialis

Empire Cave Pseudoscorpion

VU ¹⁸⁵ D2

USA

Class CHILOPODA

Order

SCOLOPENDROMORPHA

Family SCOLOPENDRIDAE

Scolopendra abnormis

Serpent Island Centipede

VU ¹³¹ D2

Mauritius

Class CRUSTACEA

Order AMPHIPODA

Family

ALLOCRANGONYCTIDAE

Allocrangonyx hubrichti

Central Missouri Cave Amphipod

VU ⁹⁵ D2

USA

Allocrangonyx pellucidus

Oklahoma Cave Amphipod

VU ⁹⁵ D2

USA

Family BOGIDIPELLIDAE

*Bogidiella bermudensis*CR ⁹⁴ B1+2c

Bermuda

Family CRANGONYCTIDAE

Crangonyx dearolfi

Pennsylvania Cave Amphipod

EN ⁹⁵ B1+2c

USA

Crangonyx grandimanus

Florida Cave Amphipod

VU ⁹⁵ D2

USA

Crangonyx hobbsi

Hobb's Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus araeus

Tidewater Interstitial Amphipod

VU ⁹⁵ D2

USA

Stygobromus arizonensis

Arizona Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus balconis

Balcones Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus barri

Barr's Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus bifurcatus

Bifurcated Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus bowmani

Bowman's Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus clantoni

Clanton's Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus conradi

Burnsville Cove Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus cooperi

Cooper's Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus dejectus

Cascade Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus elatus

Elevated Spring Amphipod

VU ⁹⁵ D2

USA

Stygobromus emarginatus

Greenbrier Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus ephemerus

Ephemeral Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus flagellatus

Ezell's Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus gradyi

Grady's Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus hadenoecus

Devil's Sinkhole Amphipod

VU ⁹⁵ D2

USA

Stygobromus harai

Hara's Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus hayi

Hay's Spring Amphipod

EN ⁹⁵ B1+2c

USA

Stygobromus heteropodus

Pickle Springs Amphipod

VU ⁹⁵ D2

USA

Stygobromus hubbsi

Mackheur Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus identatus

Tidewater Stygonectid Amphipod

VU ⁹⁵ D2

USA

Stygobromus longipes

Long-legged Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus mackenziei

Mackenzie's Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus montanus

Mountain Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus morrisoni

Morrison's Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus mundaus

Bath County Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus nortoni

Norton's Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus onondagaensis

Onondaga Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus ozarkensis

Ozark Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus parvus

Minute Cave Amphipod

VU ⁹⁵ D2

USA

Stygobromus pecki
Peck's Cave Amphipod
EN⁹⁵ B1+2c
USA

Stygobromus pizzinii
Pizzini's Amphipod
VU⁹⁵ D2
USA

Stygobromus putealis
Wisconsin Well Amphipod
VU⁹⁵ D2
USA

Stygobromus reddelli
Reddell's Cave Amphipod
VU⁹⁵ D2
USA

Stygobromus smithii
Alabama Well Amphipod
VU⁹⁵ D2
USA

Stygobromus spinatus
Spring Cave Amphipod
VU⁹⁵ D2
USA

Stygobromus stellmacki
Stellmack's Cave Amphipod
VU⁹⁵ D2
USA

Stygobromus subtilis
Subtle Cave Amphipod
VU⁹⁵ D2
USA

Stygobromus wengerorum
Wengeror's Cave Amphipod
VU⁹⁵ D2
USA

Family GAMMARIDAE

Gammarus bousfieldi
Bousfield's Amphipod
VU⁹⁵ D2
USA

Gammarus hyalelloides
Diminutive Amphipod
VU⁹⁵ D2
USA

Gammarus pecos
Pecos Amphipod
VU⁹⁵ D2
USA

Family HADZIIDAE

Pseudoniphargus grandimanus
CR⁹⁴ B1+2c
Bermuda

Family INGOLFIELLIDAE

Ingolfiella longipes
CR⁹⁴ B1+2c
Bermuda

Family LILJEBORGIIDAE

Idunella sketi
CR⁹⁴ B1+2c
Bermuda

Family NIPHARGIDAE

Carinurella paradoxa
VU¹⁵⁹ D2
Italy, Slovenia

Niphargobates lefkodemonaki
VU¹⁵⁹ D2
Greece

Niphargobates orophobata
VU¹⁵⁹ D2
Slovenia

Niphargus aberrans
VU¹⁵⁹ D2
Slovenia

Niphargus hadzii
VU¹⁵⁹ D2
Slovenia

Niphargus hrabei
VU¹⁵⁹ B1+2bcde
Austria, Croatia, Hungary?,
Romania, Russia?, Slovakia,
Ukraine?, Yugoslavia?

Niphargus sphagnicolus
VU¹⁵⁹ D2
Slovenia

Niphargus spoeckeri
VU¹⁵⁹ D2
Slovenia

Niphargus stenopus
VU¹⁵⁹ D2
Slovenia

Niphargus timavi
VU¹⁵⁹ D2
Italy, Slovenia

Niphargus valachicus
VU¹⁵⁹ B1+2bcde
Bulgaria, Croatia?, Hungary,
Romania, Slovakia, Slovenia,
Yugoslavia

Family ORCHESTIIDAE

Spelaseorchestia kiloana
Kauai Cave Amphipod
EN⁹⁵ B1+2ce
USA (Hawaiian Is)

Family PARAMELITIDAE

Aquadulcaris pheronyx
CR⁸³ B1+3d
South Africa

Paramelita barnardi
EN⁸³ B1+2c
South Africa

Paramelita flexa
VU⁸³ A1c
South Africa

Family PHOXOCEPHALIDAE

Cocoharpinia iliffei
CR⁹⁴ B1+2c
Bermuda

Order ANASPIDACEA

Family ANASPIDIDAE

Allanaspides helonomus
Syncarid Shrimp
VU⁹⁵ D2
Australia

Allanaspides hickmani
Syncarid Shrimp
VU⁹⁵ D2
Australia

Paranaspides lacustris
Great Lake Shrimp
VU⁹⁵ D2
Australia

Family PSAMMASPIDIDAE

Eucrenonaspides oinotheke
VU¹⁸⁵ D2
Australia

Order ANOMOPODA

Family CHYDORIDAE

Alona hercegovinae
VU¹⁵⁹ D2
Bosnia and Herzegovina

Alona sketi
VU¹⁵⁹ D2
Slovenia

Alona smirnovi
VU¹⁵⁹ D2
Macedonia

Rhynchochydorus australiensis
Water Flea
VU⁹⁵ D2
Australia

Family DAPHNIIDAE

Daphnia coronata
VU⁸³ D2
South Africa

Daphnia jollyi
Water Flea
VU¹⁹ D2
Australia

***Daphnia nivalis***

Water Flea
 VU¹⁹ D2
 Australia

Daphnia occidentalis

Water Flea
 VU¹⁹ D2
 Australia

Order ANOSTRACA

Family BRANCHINECTIDAE

Branchinecta belki

EN¹⁰⁷ B1+3cd
 Mexico

Branchinecta conservatio

Conservancy Fairy Shrimp
 EN⁹⁵ A2c
 USA

Branchinecta longiantenna

Longhorn Fairy Shrimp
 EN⁹⁵ A2c
 USA

Branchinecta lynchi

Vernal Pool Fairy Shrimp
 VU⁹⁵ A2c
 USA

Branchinecta mexicana

CR¹⁰⁷ B1+3d
 Mexico

Branchinecta sandiegonensis

San Diego Fairy Shrimp
 EN⁹⁵ A2c
 Mexico, USA

Family BRANCHIPODIDAE

Parartemia contracta

Brine Shrimp
 VU⁹⁵ D2
 Australia

Family CHIROCEPHALIDAE

Chirocephalus croaticus

VU¹⁵⁹ B1+2bcde
 Croatia, Slovenia

Chirocephalus pelagicus

VU¹⁵⁹ D2
 Macedonia

Chirocephalus reiseri

VU¹⁵⁹ D2
 Bosnia and Herzegovina

Family LINDERIELLIDAE

Dexteria floridana

Florida Fairy Shrimp
 CR⁹⁵ B1+2c
 USA

Family STREPTOCEPHALIDAE

Streptocephalus dendrophorus

EN⁸³ B1+2bd
 South Africa

Streptocephalus dendyi

EN⁸³ B1+2bd
 South Africa

Streptocephalus gracilis

CR⁸³ A2c, B1+2bd
 South Africa

Streptocephalus guzmani

EN¹⁰⁷ B1+3cd
 Mexico

Streptocephalus moorei

CR¹⁰⁷ B1+3d
 Mexico

Streptocephalus woottoni

Riverside Fairy Shrimp
 EN⁹⁵ A2c
 Mexico, USA

Streptocephalus zuluensis

EN⁸³ B1+2bd
 South Africa, Zimbabwe

Family THAMNOCEPHALIDAE

Branchinella alachua

Peninsula Fairy Shrimp
 EN⁹⁵ B1+2cd
 USA

Branchinella apophysata

Fairy Shrimp
 VU⁹⁵ D2
 Australia

Branchinella basispina

Fairy Shrimp
 VU⁹⁵ D2
 Australia

Branchinella denticulata

Fairy Shrimp
 VU⁹⁵ D2
 Australia

Branchinella lithaca

Stone Mountain Fairy Shrimp
 CR⁹⁵ B1+2cd
 USA

Branchinella simplex

Brine Shrimp
 VU⁹⁵ D2
 Australia

Branchinella wellardi

Fairy Shrimp
 VU⁹⁵ D2
 Australia

Order CALANOIDA

Family CENTROPAGIDAE

Boeckella bispinosa

VU¹⁴⁵ D2
 Australia

Boeckella calcaris

VU¹⁴⁵ D2
 Bolivia, Peru

Boeckella geniculata

VU¹⁴⁵ D2
 Australia

Boeckella nyoraensis

VU¹⁴⁵ D2
 Australia

Boeckella shieli

VU¹⁴⁵ D2
 Australia

Calamoecia australica

VU¹⁴⁵ D2
 Australia

Calamoecia elongata

VU¹⁴⁵ D2
 Australia

Calamoecia zeidlerii

VU¹⁴⁵ D2
 Australia

Hemiboeckella powellensis

VU¹⁴⁵ D2
 Australia
 [swamp near L. Powell]

Family DIAPTOMIDAE

Agladiaptomus kingsburyae

VU¹⁴⁵ D2
 USA

Agladiaptomus marshianus

VU¹⁴⁵ D2
 USA
 [L. Jackson]

Allodiaptomus satanas

VU¹⁴⁵ D2
 India

Arctodiaptomus burduricus

VU¹⁴⁵ D2
 Turkey
 [L. Burdur, L. Solda]

Arctodiaptomus euacanthus

VU¹⁴⁵ D2
 India

Arctodiaptomus kamtschaticus

VU¹⁴⁵ D2
 Russia
 [L. Zelonoë]

Arctodiaptomus michaeli

VU¹⁴⁵ D2
 India
 [L. Alapathar, L. Marsar]

- Dussartiomus baeticus*
 VU ¹⁴⁵ D2
 Spain
 [R. Guadalquivir]
- Eodiaptomus lumholtzi*
 VU ¹⁴⁵ D2
 Australia
- Eodiaptomus shihi*
 VU ¹⁴⁵ D2
 India
 [Ghandisagar Reservoir]
- Heliodiaptomus kolleruensis*
 VU ¹⁴⁵ D2
 India
- Heliodiaptomus pulcher*
 VU ¹⁴⁵ D2
 India
- Hesperodiaptomus augustaensis*
 VU ¹⁴⁵ D2
 USA
- Hesperodiaptomus californiensis*
 VU ¹⁴⁵ D2
 USA
- Lovenula excellens*
 VU ⁸³ D2
 South Africa
- Lovenula simplex*
 VU ¹⁴⁵ D2
 South Africa
- Mastigodiaptomus purpureus*
 VU ¹⁴⁵ D2
 Cuba, Haiti?
- Metadiaptomus capensis*
 VU ¹⁴⁵ D2
 South Africa
- Metadiaptomus purcelli*
 VU ¹⁴⁵ D2
 South Africa
- Neodiaptomus intermedius*
 VU ¹⁴⁵ D2
 India
- Neodiaptomus laii*
 VU ¹⁴⁵ D2
 Malaysia
 [Pedu Reservoir and mining pools]
- Neodiaptomus lymphatus*
 VU ¹⁴⁵ D2
 Indonesia
 [L. Tempe]
- Neodiaptomus physalipus*
 VU ¹⁴⁵ D2
 India
- Notodiaptomus dubius*
 VU ¹⁴⁵ D2
 Brazil
- Notodiaptomus maracaibensis*
 VU ¹⁴⁵ D2
 Venezuela
 [L. Maracaibo]
- Paradiaptomus natalensis*
 VU ⁸³ D2
 South Africa
- Phyllodiaptomus wellekensae*
 VU ¹⁴⁵ D2
 India
- Skistodiaptomus carolinensis*
 VU ¹⁴⁵ D2
 USA
 [L. Ravenel]
- Stygodiaptomus kieferi*
 VU ¹⁵⁹ D2
 Bosnia and Herzegovina
- Stygodiaptomus petkovskii*
 VU ¹⁵⁹ D2
 Bosnia and Herzegovina, Croatia
- Thermodiaptomus galeoides*
 VU ¹⁴⁵ D2
 Kenya, Tanzania, Uganda
 [L. Victoria]
- Tropodiaptomus burundensis*
 VU ¹⁴⁵ D2
 Burundi
 [R. Rusizi valley]
- Tropodiaptomus kilimensis*
 VU ¹⁴⁵ D2
 Tanzania
- Tropodiaptomus kissi*
 VU ¹⁴⁵ D2
 Rwanda
- Tropodiaptomus neumanni*
 VU ¹⁴⁵ D1
 Kenya
 [L. Baringo, L. Naivasha]
- Tropodiaptomus simplex*
 VU ¹⁴⁵ D2
 Burundi, Tanzania, Zaire
 [L. Tanganyika]
- Tropodiaptomus stuhlmanni*
 VU ¹⁴⁵ D2
 Kenya, Tanzania, Uganda
 [L. Victoria]
- Family **EPACTERISCIDAE**
- Erebonectes nesioticus*
 CR ⁹⁴ B1+2c
 Bermuda
- Family **PLATYCOPIIDAE**
- Antriscopia prehensilis*
 CR ⁹⁴ B1+2c
 Bermuda
- Nanocopia minuta*
 CR ⁹⁴ B1+2c
 Bermuda
- Family **PSEUDOCYCLOPIIDAE**
- Paracyclopia naessi*
 CR ⁹⁴ B1+2c
 Bermuda
- Family **TEMORIDAE**
- Epischura baikalensis*
 VU ¹⁴⁵ D2
 Russia
 [L. Baikal]
- Order **CONCHOSTRACA**
- Family **LEPTESTHERIIDAE**
- Eoleptestheria spinosa*
 VU ¹⁵⁹ B1+2bcd+3c
 Croatia, Yugoslavia
- Family **LIMNADIIDAE**
- Imnadia banatica*
 VU ¹⁵⁹ D2
 Yugoslavia
- Imnadia cristata*
 VU ¹⁵⁹ D2
 Yugoslavia
- Imnadia panonica*
 VU ¹⁵⁹ D2
 Yugoslavia
- Order **CYCLOPOIDA**
- Family **CYCLOPIDAE**
- Acanthocyclops hypogeous*
 VU ¹⁵⁹ D2
 Slovenia
- Mesocyclops insulensis*
 VU ¹⁴⁵ D2
 Mozambique
 [L. Bemapaza]
- Metacyclops gasparoi*
 VU ¹⁵⁹ D2
 Slovenia
- Metacyclops postojnae*
 VU ¹⁵⁹ D2
 Slovenia
- Tropocyclops federensis*
 VU ¹⁴⁵ D2
 Brazil
- Tropocyclops nananae*
 VU ¹⁴⁵ D2
 Brazil
- Family **SPELEOITHONIDAE**
- Speleoithona bermudensis*
 CR ⁹⁴ B1+2c
 Bermuda



Order DECAPODA

Family ASTACIDAE

Astacus astacus

Noble Crayfish

VU ¹⁵⁹ B2bce+3bcd

Austria, Belarus, Belgium, Bulgaria, Cyprus [int], Czech Republic?, Denmark, Hungary, Italy [int], Latvia?, Lithuania, Moldova?, Netherlands, Norway, Poland, Romania?, Russia, Slovakia, Sweden, Switzerland [int], Ukraine, United Kingdom [int], Yugoslavia

Austropotamobius pallipes

White-clawed Crayfish

VU ¹⁵⁹ B2bce+3bcd

Austria, Czech Republic?, France, Germany, Hungary?, Ireland, Italy, Portugal, Slovakia, Spain, Switzerland, United Kingdom, Yugoslavia

Austropotamobius torrentium

Stone Crayfish

VU ¹⁵⁹ B2bce+3bcd

Austria, Czech Republic?, France, Germany, Hungary, Slovakia, Switzerland, Yugoslavia

Pacifastacus fortis

Shasta Crayfish

CR ⁷ B1+2c

USA

*Pacifastacus nigrescens*CR ⁷ B1+2c

USA (ex?)

Family ATYIDAE

Palaemonias alabamae

Alabama Cave Shrimp

EN ⁹⁵ B1+2c

USA

Palaemonias ganteri

Kentucky Cave Shrimp

EN ⁹⁵ B1+2c

USA

Syncaris pacifica

California Freshwater Shrimp

EN ⁹⁵ A1cc

USA

*Troglolaris anophthalmus*VU ¹⁵⁹ B1+2cde

Bosnia and Herzegovina, Bulgaria, Croatia, Italy, Slovenia, Yugoslavia

*Typhlatya iliffei*CR ⁹⁴ B1+2c

Bermuda

Typhlatya monae

Mona Cave Shrimp

VU ⁹⁵ D2

Puerto Rico

Family CAMBARIDAE

Cambarellus blacki

Cypress Crayfish

EN ⁷ B1+2c

USA

Cambarellus diminutus

Least Crayfish

VU ⁷ B1+2c

USA

*Cambarellus lesliei*VU ⁷ B1+2c

USA

*Cambarellus aculabrum*EN ⁷ B1+2c

USA

Cambarus batchi

Bluegrass Crayfish

VU ⁷ B1+2c, D1

USA

Cambarus bouchardi

Big South Fork Crayfish

VU ⁷ B1+2c, D1

USA

Cambarus catagius

Greenhorn Burrowing Crayfish

VU ⁷ B1+2c

USA

*Cambarus chaugaensis*VU ⁷ B1+2c, D1

USA

*Cambarus coosawattae*VU ⁷ B1+2c, D1

USA

Cambarus cryptodytes

Apalachicola Cave Crayfish

VU ⁷ B1+2c

USA

*Cambarus cymatilis*VU ⁷ B1+2c, D1

USA

Cambarus deweesae

Valley Flame Crayfish

EN ⁷ B1+2c

USA

*Cambarus elkensis*VU ⁷ B1+2c

USA

Cambarus extraneus

Chickamanga Crayfish

VU ⁷ B1+2c

USA

*Cambarus fasciatus*VU ⁷ B1+2c

USA

Cambarus georgiae

Little Tennessee Crayfish

VU ⁷ B1+2c, D1

USA

Cambarus harti

Piedmont Blue Burrower

EN ⁷ B1+2c

USA

*Cambarus hiwasseeensis*VU ⁷ B1+2c

USA

*Cambarus howardi*VU ⁷ B1+2c

USA

Cambarus miltus

Rusty Grave Digger

VU ⁷ B1+2c

USA

*Cambarus nerterius*VU ⁷ B1+2c, D1

USA

Cambarus obeyensis

Obey Crayfish

VU ⁷ B1+2c

USA

*Cambarus parrishi*VU ⁷ B1+2c, D1

USA

*Cambarus pristinus*VU ⁷ B1+2c, D1

USA

Cambarus pyronotus

Red-black Crayfish

EN ⁷ B1+2c

USA

*Cambarus reburrus*VU ⁷ B1+2c

USA

*Cambarus scotti*VU ⁷ B1+2c

USA

*Cambarus speciosus*VU ⁷ B1+2c, D1

USA

*Cambarus spicatus*VU ⁷ B1+2c

USA

*Cambarus strigosus*EN ⁷ B1+2c

USA

*Cambarus subterraneus*EN ⁷ B1+2c

USA

Cambarus tartarus

Oklahoma Cave Crayfish

CR ⁷ B1+2c

USA

*Cambarus truncatus*EN ⁷ B1+2c

USA

<i>Cambarus unestami</i>	<i>Hobbseus petilus</i>	<i>Orconectes peruncus</i>
VU ⁷ B1+2c	Tombigbee Riverlet Crayfish	VU ⁷ B1+2c
USA	VU ⁷ B1+2c	USA
<i>Cambarus veteranus</i>	<i>Hobbseus valleculus</i>	<i>Orconectes quadruncus</i>
VU ⁷ B1+2c	Choctaw Riverlet Crayfish	VU ⁷ B1+2c
USA	VU ⁷ B1+2c	USA
<i>Cambarus williami</i>	<i>Hobbseus valobushensis</i>	<i>Orconectes saxatilis</i>
EN ⁷ B1+2c	VU ⁷ B1+2c, D1	Kiamichi Crayfish
USA	USA	CR ⁷ B1+2c
<i>Cambarus zophonastes</i>	<i>Orconectes bisectus</i>	USA
Hell Creek Crayfish	Crittenden Crayfish	<i>Orconectes shoupi</i>
CR ⁷ B1+2c	VU ⁷ B1+2c, D1	Nashville Crayfish
USA	USA	CR ⁷ B1+2c
<i>Distocambarus devexus</i>	<i>Orconectes blacki</i>	USA
VU ⁷ B1+2c, D1	VU ⁷ B1+2c, D1	<i>Orconectes sloanii</i>
USA	USA	VU ⁷ B1+2c
<i>Distocambarus youngineri</i>	<i>Orconectes cooperi</i>	USA
VU ⁷ B1+2c, D1	VU ⁷ B1+2c, D1	<i>Orconectes stannardi</i>
USA	USA	VU ⁷ B1+2c
<i>Fallicambarus burrisi</i>	<i>Orconectes deanae</i>	USA
VU ⁷ B1+2c	Conchas Crayfish	<i>Orconectes wrighti</i>
USA	VU ⁷ B1+2c, D1	VU ⁷ B1+2c, D1
<i>Fallicambarus danielae</i>	<i>Orconectes hartfieldi</i>	USA
Speckled Burrowing Crayfish	VU ⁷ B1+2c	<i>Procambarus acherontis</i>
VU ⁷ B1+2c	USA	Orlando Cave Crayfish
USA	<i>Orconectes holti</i>	EN ⁷ B1+2c
<i>Fallicambarus gilpini</i>	VU ⁷ B1+2c	USA
VU ⁷ B1+2c, D1	USA	<i>Procambarus angustatus</i>
USA	<i>Orconectes incomptus</i>	CR ⁷ B1+2c
<i>Fallicambarus gordonii</i>	Tennessee Cave Crayfish	USA (ex?)
VU ⁷ B1+2c, D1	VU ⁷ B1+2c, D1	<i>Procambarus apalachicola</i>
USA	USA	VU ⁷ B1+2c
<i>Fallicambarus harpi</i>	<i>Orconectes jeffersoni</i>	USA
EN ⁷ B1+2c	Louisville Crayfish	<i>Procambarus attiguus</i>
USA	VU ⁷ B1+2c, D1	Silver Glen Springs Cave Crayfish
<i>Fallicambarus hortoni</i>	USA	CR ⁷ B1+2c
Hatchie Burrowing Crayfish	<i>Orconectes jonesi</i>	USA
EN ⁷ B1+2c	VU ⁷ B1+2c	<i>Procambarus barbiger</i>
USA	USA	Jackson Prairie Crayfish
<i>Fallicambarus petilicarpus</i>	<i>Orconectes kentuckiensis</i>	VU ⁷ B1+2c
CR ⁷ B1+2c	VU ⁷ B1+2c	USA
USA	USA	<i>Procambarus brazoriensis</i>
<i>Fallicambarus strawni</i>	<i>Orconectes maletae</i>	Brazoria Crayfish
VU ⁷ B1+2c	VU ⁷ B1+2c	VU ⁷ B1+2c, D1
USA	USA	USA
<i>Hobbseus attenuatus</i>	<i>Orconectes marchandi</i>	<i>Procambarus cometes</i>
VU ⁷ B1+2c, D1	VU ⁷ B1+2c, D1	Mississippi Flatwoods Crayfish
USA	USA	VU ⁷ B1+2c, D1
<i>Hobbseus cristatus</i>	<i>Orconectes menae</i>	USA
VU ⁷ B1+2c	VU ⁷ B1+2c	<i>Procambarus connus</i>
USA	USA	Corrollton Crayfish
<i>Hobbseus orconectoides</i>	<i>Orconectes mississippiensis</i>	VU ⁷ B1+2c, D1
Oktibbeha Riverlet Crayfish	VU ⁷ B1+2c	USA
VU ⁷ B1+2c	USA	<i>Procambarus delicatus</i>
USA		Big-cheeked Cave Crayfish
		CR ⁷ B1+2c
		USA

***Procambarus echinatus***

VU⁷ B1+2c
USA

Procambarus econfinae

Panama City Crayfish
EN⁷ B1+2c
USA

Procambarus erythropros

Santa Fe Cave Crayfish
EN⁷ B1+2c
USA

Procambarus escambiensis

VU⁷ B1+2c, D1
USA

Procambarus ferrugineus

EN⁷ B1+2c
USA

Procambarus fitzpatricki

Spiny-tail Crayfish
VU⁷ B1+2c
USA

Procambarus franzi

Orange Lake Cave Fish
EN⁷ B1+2c
USA

Procambarus gibbus

VU⁷ B1+2c
USA

Procambarus horsti

Big Blue Spring Cave Crayfish
EN⁷ B1+2c
USA

Procambarus lagniappe

Lagniappe Crayfish
VU⁷ B1+2c
USA

Procambarus latipleurum

VU⁷ B1+2c, D1
USA

Procambarus leitheuseri

Coastal Lowland Cave Crayfish
VU⁷ B1+2c, D1
USA

Procambarus milleri

Miami Cave Crayfish
EN⁷ B1+2c
USA

Procambarus morrissi

Putnam County Cave Crayfish
CR⁷ B1+2ae, C1+2b
USA

Procambarus nechesae

VU⁷ B1+2c
USA

Procambarus nigrocinctus

VU⁷ B1+2c, D1
USA

Procambarus nueces

CR⁷ B1+2c
USA

Procambarus orcinus

Woodville Cave Crayfish
VU⁷ B1+2c, D1
USA

Procambarus pecki

Phantom Cave Crayfish
VU⁷ B1+2c
USA

Procambarus pictus

Black Creek Crayfish
VU⁷ B1+2c
USA

Procambarus plumimanus

VU⁷ B1+2c
USA

Procambarus pogum

Bearded Red Crayfish
VU⁷ B1+2c, D1
USA

Procambarus rathbunae

VU⁷ B1+2c
USA

Procambarus reimeri

VU⁷ B1+2c, D1
USA

Procambarus steigmani

CR⁷ B1+2c
USA

Procambarus texanus

CR⁷ B1+2c
USA

Family GECARCINUCIDAE

Afrihelphusa afzelii

CR⁹⁵ C2a
Sierra Leone

Afrihelphusa gerhildae

CR⁹⁵ C2b
Guinea

Afrihelphusa leonensis

CR⁹⁵ C2b
Sierra Leone

Afrihelphusa monodosus

CR⁹⁵ C2b
Guinea

Globonautes macropus

Tree Hole Crab
CR⁹⁵ C2a
Guinea, Liberia

Family HIPPOLYTIDAE

Barbouria cubensis

CR⁹⁴ B1+2c
Bermuda

Somersiella sterreri

CR⁹⁴ B1+2c
Bahamas, Bermuda, Cuba, Mexico

Family PALAEMONIDAE

Palaemonetes antrorum

Balcones Cave Shrimp
EN⁹⁵ B1+2c
USA

Palaemonetes cummingsi

Squirrel Chimney Cave Shrimp
VU⁹⁵ D2
USA

Family PARASTACIDAE

Astacoides crosnieri

EN⁵⁴ B1+2c
Madagascar

Astacoides petiti

EN⁵⁴ B1+2c
Madagascar

Astacopsis gouldi

Giant Tasmanian Lobster
EN⁵⁴ A1ace, B1+2abce
Australia

Cherax destructor

VU⁵⁴ A1de
Australia

Cherax quadricarinatus

VU⁵⁴ A1de
Australia

Cherax tenuimanus

Marron
VU⁵⁴ A1de
Australia

Engaeus australis

Lilly Pilly Burrowing Crayfish
EN⁵⁴ B1+2c
Australia

Engaeus curvisuturus

EN⁵⁴ B1+2c
Australia

Engaeus disjuncticus

EN⁵⁴ B1+2c
Australia

Engaeus granulatus

EN⁵⁴ B1+2c
Australia

Engaeus mallacoota

Mallacoota Burrowing Crayfish
EN⁵⁴ B1+2c
Australia

Engaeus martigeneri

Furneaux Burrowing Crayfish
EN⁵⁴ B1+2c
Australia

Engaeus nulloporius

EN⁵⁴ B1+2c
Australia

Engaeus orramakunna
Mount Arthur Burrowing Crayfish
EN⁵⁴ B1+2c
Australia

Engaeus phyllocercus
Narracan Burrowing Crayfish
VU⁵⁴ B1+2c
Australia

Engaeus rostrigaleatus
Strzelecki Burrowing Crayfish
EN⁵⁴ B1+2c
Australia

Engaeus spinicaudatus
Scottsdale Burrowing Crayfish
EN⁵⁴ B1+2c
Australia

Engaeus sternalis
Warragul Burrowing Crayfish
EN⁵⁴ B1+2c
Australia

Engaeus urostrictus
EN⁵⁴ B1+2c
Australia

Engaewa similis
EN⁵⁴ B1+2c
Australia

Euastacus armatus
Murray River Cray
VU⁵⁴ A1ade
Australia

Euastacus bindal
EN⁵⁴ B1+2c
Australia

Euastacus bispinosus
Glenelg River Cray
VU⁵⁴ A1ade
Australia

Euastacus crassus
EN⁵⁴ B1+2c
Australia

Euastacus diversus
EN⁵⁴ B1+2c
Australia

Euastacus eungella
VU⁵⁴ B1+2c
Australia

Euastacus fleckeri
VU⁵⁴ B1+2c
Australia

Euastacus hystricosus
VU⁵⁴ B1+2c
Australia

Euastacus jagara
EN⁵⁴ B1+2c
Australia

Euastacus maidae
EN⁵⁴ B1+2c
Australia

Euastacus monteithorum
EN⁵⁴ B1+2c
Australia

Euastacus neodiversus
VU⁵⁴ B1+2c
Australia

Euastacus robertsi
EN⁵⁴ B1+2c
Australia

Euastacus setosus
VU⁵⁴ B1+2c
Australia

Euastacus urospinosus
EN⁵⁴ B1+2c
Australia

Euastacus yigara
EN⁵⁴ B1+2c
Australia

Family PINNOTHERIDAE

Parapinnixa affinis
Californian Bay Pea Crab
EN⁹⁵ A1c
USA

Family POTAMONAUTIDAE

Louisea edeaensis
CR⁹⁵ B1+2c
Cameroon

Family PROCARIDIDAE

Procaris chacei
CR⁹⁴ B1+2c
Bermuda

Order HALOCYPRIDA

Family HALOCYPRIDIDAE

Spelaeoecia bermudensis
CR⁹⁴ B1+2c
Bermuda

Order HARPACTICOIDA

Family AMEIRIDAE

Nitocrella slovenica
VU¹⁵⁹ D2
Slovenia

Nitocrella stochi
VU¹⁵⁹ D2
Italy

Family CANTHOCAMPTIDAE

Canthocamptus dedeckkeri
VU¹⁴⁵ D2
Australia

Canthocamptus echinopyge
VU¹⁴⁵ D2
Australia

Canthocamptus longipes
VU¹⁴⁵ D2
Australia

Canthocamptus mammillifurca
VU¹⁴⁵ D2
Australia

Canthocamptus sublaevis
VU¹⁴⁵ D2
Australia

Canthocamptus tasmaniae
VU¹⁴⁵ D2
Australia

Ceuthonectes rouchi
VU¹⁵⁹ D2
Slovenia

Elaphoidella amabilis
VU¹⁴⁵ D2
USA

Elaphoidella franci
VU¹⁵⁹ D2
Slovenia

Elaphoidella jeanneli
VU¹⁵⁹ D2
Slovenia

Elaphoidella kieferi
VU¹⁵⁹ D2
Slovenia

Fibulacamptus bisetosus
VU¹⁴⁵ D2
Australia

Fibulacamptus gracilior
VU¹⁴⁵ D2
Australia
[R. Werribee]

Paramorariopsis anae
VU¹⁵⁹ D2
Slovenia

Pseudomoraria triglavensis
VU¹⁵⁹ D2
Slovenia

Family
DARCYTHOMPSONIIDAE

Leptocaris stromatolicola
VU¹⁴⁵ D2
Mexico

Order ISOPODA

Family ANTHURIDAE

Currassanthura bermudensis
CR⁹⁴ B1+2c
Bermuda

Family ASELLIDAE

Caecidotea barri
Clifton Cave Isopod
EN⁹⁵ B1+2c
USA

Caecidotea macropoda

Bat Cave Isopod
 VU ⁹⁵ D2
 USA

Caecidotea nickajackensis

Nickajack Cave Isopod
 VU ⁹⁵ D2
 USA

Lirceus culveri

Rye Cove Cave Isopod
 VU ⁹⁵ D2
 USA

Lirceus usdagalun

Lee County Cave Isopod
 EN ⁹⁵ B1+2c
 USA

Proasellus parvulus

VU ¹⁵⁹ D2
 Slovenia

Proasellus slovenicus

VU ¹⁵⁹ D2
 Slovenia

Family ATLANTASELLIDAE

Atlantasecellus cavernicolus

CR ⁹⁴ B1+2c
 Bermuda

Family CIROLANIDAE

Antrolana lira

Madison Cave Isopod
 VU ⁹⁵ D2
 USA

Arubolana imula

VU ⁹⁵ D2
 Aruba

Bermudalana aruboides

CR ⁹⁴ B1+2c
 Bermuda

Mexilana saluposi

VU ⁹⁵ D2
 Mexico

Speocirolana thermydromis

EN ⁹⁵ A1c
 Mexico

Sphaerolana affinis

EN ⁹⁵ A1c
 Mexico

Sphaerolana interstitialis

EN ⁹⁵ A1c
 Mexico

Sphaerolana karenae

VU ⁹⁵ D2
 Mexico

Family PHREATOICIDAE

Onchotelson brevicaudatus

VU ⁹⁵ D2
 Australia

Onchotelson spatulatus

VU ⁹⁵ D2
 Australia

Uramphisopus pearsoni

VU ⁹⁵ D2
 Australia

Family SPHAEROMATIDAE

Monolistra bolei

EN ¹⁵⁹ B1+2c
 Slovenia

Monolistra calopyge

VU ¹⁵⁹ D2
 Slovenia

Monolistra schottlaenderi

VU ¹⁵⁹ D2
 Italy

Monolistra spinosissima

EN ¹⁵⁹ B1+2bce
 Slovenia

Thermosphaeroma cavicauda

CR ⁹⁵ B1+2c
 Mexico

Thermosphaeroma dugesi

CR ⁹⁵ B1+2c
 Mexico

Thermosphaeroma macrura

CR ⁹⁵ B1+2c
 Mexico

Thermosphaeroma milleri

EN ⁹⁵ B1+2c
 Mexico

Thermosphaeroma smithi

CR ⁹⁵ B1+2c
 Mexico

Family STENASELLIDAE

Mexistenasellus coahuila

EN ⁹⁵ A1c
 Mexico, USA

Mexistenasellus nulemex

VU ⁹⁵ D2
 Mexico

Mexistenasellus parzefalli

Parzefall's Stenasellid
 VU ⁹⁵ D2
 Mexico

Mexistenasellus wilkensi

Wilken's Stenasellid
 VU ⁹⁵ D2
 Mexico

Family TRICHONISCIDAE

Calconiscellus gotscheensis

VU ¹⁵⁹ D2
 Slovenia

Haplophthalmus abbreviatus

VU ¹⁵⁹ D2
 Slovenia

Haplophthalmus rhinoceros

VU ¹⁵⁹ D2
 Slovenia

Metatrichoniscoides celticus

VU ⁷⁷ D2
 United Kingdom

Maserius percoi

VU ¹⁵⁹ D2
 Slovenia

Order MICTACEA

Family MICTOCARIDIDAE

Mictocaris halope

CR ⁹⁴ B1+2c
 Bermuda

Order MISOPHRIOIDA

Family MISOPHRIIDAE

Speleophria bivexilla

CR ⁹⁴ B1+2c
 Bermuda

Speleophria scottodicarloi

CR ⁹⁴ B1+2c
 Bermuda

Order MYODOCOPIDA

Family CYPRIDINIDAE

Zonocyprretta kalimna

Seed Shrimp
 VU ⁹⁵ D2
 Australia

Order MYSIDACEA

Family MYSIDAE

Bermudamysis speluncola

CR ⁹⁴ B1+2c
 Bermuda

Platyops sterreri

CR ⁹⁴ B1+2c
 Bermuda

Order NOTOSTRACA

Family TRIOPSIDAE

Lepidurus packardii

EN ⁹⁵ A2c
 USA

Order PODOCOPIDA

Family CYPRIDIDAE

Kapcypridopsis barnardi

CR ⁹⁵ A1a
 South Africa

Pseudocandona aemonae

VU ¹⁵⁹ D2
Slovenia

Pseudocandona cavicola

VU ¹⁵⁹ D2
Slovenia

Pseudocandona pretneri

VU ¹⁵⁹ D2
Slovenia

Pseudocandona trigonelia

VU ¹⁵⁹ D2
Slovenia

Family LIMNOCYTHERIDAE

Leucocythere helenae

VU ⁹⁵ D2
South Africa

Limnocythere porphyretica

Seed Shrimp
VU ⁹⁵ D2
Australia

Family NOTODROMADIDAE

Newnhamia fuscata

Seed Shrimp
VU ⁹⁵ D2
Australia

Newnhamia insolita

Seed Shrimp
VU ⁹⁵ D2
Australia

Class INSECTA

Order ANOPLURA

Family HAEMATOPINIDAE

Haematopinus oliveri

Pygmy Hog Sucking Louse
CR ¹⁸⁵ A1c, B1+2cd, E
India

Order COLEOPTERA

Family ANTHICIDAE

Anthicus sacramento

Sacramento Beetle
EN ¹⁸⁵ B1+2c
USA

Family BUPRESTIDAE

Buprestis splendens

Goldstreifiger
VU ¹⁸⁵ A1c
Albania, Austria, Belarus?,
Denmark?, Finland, Greece, Poland?,
Russia?, Spain, Sweden?,
Yugoslavia?

Family CARABIDAE

Carabus olympiae

VU ¹⁸⁵ A1acd+2c
France [int], Italy

Elaphrus viridis

Delta Green Ground Beetle
CR ¹⁸⁵ B1+2abc+3a
USA

Family CERAMBYCIDAE

Cerambyx cerdo

Cerambyx Longicorn
VU ¹⁸⁵ A1c+2c
Algeria, Armenia?, Austria,
Azerbaijan?, Czech Republic,
France, Georgia?, Germany,
Hungary, Iran, Moldova?, Morocco,
Poland, Spain, Sweden, Switzerland,
Tunisia, Turkey?, Ukraine, United
Kingdom?

Macrodonia cervicornis

VU ¹⁸⁵ A1c
Brazil, Peru

Morimus funereus

VU ¹⁸⁵ A1c
Belgium?, Czech Republic?,
Germany?, Hungary, Moldova,
Romania, Slovakia?, Ukraine,
Yugoslavia

Rosalia alpina

Rosalia Longicorn
VU ¹⁸⁵ A1c
Algeria, Armenia, Austria,
Azerbaijan, Bulgaria, Czech
Republic, Denmark?, France,
Georgia, Germany, Greece, Hungary,
Iran?, Israel, Italy, Jordan?,
Lebanon?, Liechtenstein, Morocco,
Netherlands, Poland, Portugal,
Romania, Russia?, Spain, Sweden,
Switzerland, Syria, Tunisia, Ukraine,
Yugoslavia

Family CICINDELIDAE

Cicindela columbica

Columbia River Tiger Beetle
VU ¹⁸⁵ A1c+2c
USA

Cicindela puritana

Puritan Tiger Beetle
EN ⁷⁵ A1bc, B2cd+3c-
USA

Family CUCUJIDAE

Cucujus cinnaberinus

VU ¹⁸⁵ A1c
Austria, Czech Republic?, Estonia?,
Finland, Germany, Hungary, Latvia?,
Lithuania, Norway, Poland,
Romania, Russia, Slovakia, Sweden,
Yugoslavia

Family CURCULIONIDAE

Gymnopholus lichenifer

Lichen Weevil
VU ¹⁸⁵ A1c+2cd, D2
Papua New Guinea

Family DYTISCIDAE

Acilius duvergeri

VU ⁶⁷ B1+2b
Algeria, Italy, Morocco, Portugal,
Spain

Agabus clypealis

EN ⁶⁷ B1+2b
Denmark, Germany, Poland, Russia,
Sweden

Agabus discicollis

EN ⁶⁷ B1+2c
Ethiopia

Agabus hozgargantae

EN ⁶⁷ B1+2c
Spain

Deronectes aljibensis

EN ⁶⁷ B1+2c
Spain

Deronectes depressicollis

VU ⁶⁷ B1+2c
Spain

Deronectes ferrugineus

VU ⁶⁷ B1+2c
Portugal

Dytiscus latissimus

VU ⁶⁷ A2c, B1+2a
Austria, Belarus, Belgium (ex),
Bosnia and Herzegovina, Croatia
(ex?), Czech Republic, Denmark,
Finland, France (ex), Germany (ex),
Hungary (ex?), Italy, Latvia,
Luxembourg (ex), Netherlands (ex),
Norway, Poland, Romania (ex?),
Russia, Slovakia (ex?), Sweden,
Switzerland (ex?), Ukraine

Graptodytes delectus

EN ⁶⁷ B1+2c
Spain (Canary Is)

Hydrotarsus compunctus

CR ⁶⁷ B1+2c
Spain (Canary Is)

Hydrotarsus pilosus

EN ⁶⁷ B1+2c
Spain (Canary Is)

Meladema imbricata

CR ⁶⁷ A1c
Spain (Canary Is)

Meladema lanio

VU ⁶⁷ B1+2b
Portugal (Madeira)

Rhantus alutaceus

EN ⁶⁷ A2c
New Caledonia

***Rhithrodytes agnus***

EN ⁶⁷ B1+2c
Portugal

Family ELMINTHIDAE

Stenelmis gammoni

Gammon's Riffle Beetle
VU ¹⁸⁵ D2
USA
[R. South Fork New]

Family LEIODIDAE

Glacicavicola bathysciodes

Blind Cave Beetle
VU ¹⁸⁵ B1+2c
USA

Family LUCANIDAE

Colophon barnardi

EN ¹⁸ B1+2e
South Africa

Colophon berrisfordi

CR ¹⁸ B1+2e
South Africa

Colophon cameroni

VU ¹⁸ B1+2e
South Africa

Colophon cassoni

CR ¹⁸ B1+2e
South Africa

Colophon eastmani

EN ¹⁸ B1+2e
South Africa

Colophon haughtoni

EN ¹⁸ B1+2e
South Africa

Colophon montisatris

CR ¹⁸ B1+2e
South Africa

Colophon neli

VU ¹⁸ B1+2e
South Africa

Colophon primosi

CR ¹⁸ B1+2e
South Africa

Colophon stokoei

VU ¹⁸ B1+2e
South Africa

Colophon thunbergi

EN ¹⁸ B1+2e
South Africa

Colophon westwoodi

VU ¹⁸ B1+2e
South Africa

Colophon whitei

EN ¹⁸ B1+2e
South Africa

Family SCARABAEIDAE

Aegialia concinna

Ciervo Scarab Beetle
VU ¹⁸⁵ D2
USA

Aegialia crescenta

Crescent Dune Scarab Beetle
VU ¹⁸⁵ D2
USA

Osmoderma eremita

Hermit Beetle
VU ¹⁸⁵ A1c
Austria, Belarus?, Belgium, Czech Republic, Denmark, Estonia?, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Liechtenstein, Lithuania?, Moldova?, Netherlands, Norway, Poland, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine, Yugoslavia

Prodontria lewisi

Cromwell Chafer
CR ¹⁸⁵ B1+2c
New Zealand

Pseudocotalpa giulianii

Giuliani's Dune Scarab Beetle
VU ¹⁸⁵ D2
USA

Family SILPHIDAE

Nicrophorus americanus

American Burying Beetle
CR ¹⁸⁵ A1c
Canada (ex), USA

Family TENEBRIONIDAE

Coelus globosus

Globose Dune Beetle
VU ¹⁸⁵ A1c
Mexico, USA

Coelus gracilis

San Joaquin Dune Beetle
VU ¹⁸⁵ A1c, D2
USA

Polposipus herculeanus

Frigate Island Giant Tenebrionid Beetle
CR ¹⁸⁵ B1+2c
Seychelles

Order DERMAPTERA

Family LABIDURIDAE

Labidura herculeana

Saint Helena Earwig
CR ¹⁸⁵ B1+2a
St Helena

Order DIPTERA

Family BLEPHAROCERIDAE

Edwardsina gigantea

Giant Torrent Midge
EN ¹⁸⁵ B1+2c
Australia

Edwardsina tasmaniensis

Tasmanian Torrent Midge
CR ¹⁸⁵ A2c, B1+2c
Australia
[R. Dennison]

Family PSYCHODIDAE

Nemapalpus nearcticus

Sugarfoot Moth Fly
EN ¹⁸⁵ B1+2abcd
USA

Family TABANIDAE

Brennania belkini

Belkin's Dune Tabanid Fly
VU ¹⁸⁵ A2ce
Mexico, USA

Order EPHEMEROPTERA

Family SIPHLONURIDAE

Tasmanophlebia lacus-coerulei

Large Blue Lake Mayfly
VU ¹⁸⁵ D2
Australia

Order GRYLLOBLATTARIA

Family GRYLLOBLATTIDAE

Grylloblatta chirurgica

Mount St Helens' Grylloblattid
VU ¹⁸⁵ A1c+2c, D2
USA

Order HYMENOPTERA

Family FORMICIDAE

Acanthomyops latipes

VU ¹⁶³ D2
USA

Acanthomyops murphyi

VU ¹⁶³ D2
USA

Adetomyrma venatrix

CR ¹⁶³ B1+2c
Madagascar

Anergates atratulus

VU ¹⁶³ D2
France, Germany, Greece, Italy, Spain, Switzerland

- Aneuretus simoni*
Sri Lankan Relict Ant
CR¹⁶³ B1+2c
Sri Lanka
- Anoplolepis nuptialis*
VU¹⁶³ D2
South Africa
- Antichthonidris bidentatus*
VU¹⁶³ D2
Argentina
- Aphaenogaster bidentatus*
VU¹⁶³ D2
USA
- Camponotus universitatis*
VU¹⁶³ D2
France, Switzerland
- Cardiocondyla zoserka*
VU¹⁶³ D2
Nigeria
- Cataglyphis hanna*
VU¹⁶³ D2
Tunisia
- Chalepoxenus brunneus*
VU¹⁶³ D2
Algeria, Morocco
- Chalepoxenus kutteri*
VU¹⁶³ D2
France
- Chalepoxenus muellerianus*
VU¹⁶³ D2
Italy
- Chalepoxenus spinosus*
VU¹⁶³ D2
Kazakhstan
- Chalepoxenus tarbinskii*
VU¹⁶³ D2
Kyrgyzstan
- Chalepoxenus tauricus*
VU¹⁶³ D2
Ukraine
- Chalepoxenus tramieri*
VU¹⁶³ D2
Morocco
- Chalepoxenus zabelini*
VU¹⁶³ D2
Turkmenistan
- Conomyrma medeis*
VU¹⁶³ D2
USA
- Conomyrma reginicola*
VU¹⁶³ D2
USA
- Crematogaster atilanica*
VU¹⁶³ D2
Guatemala
- Crematogaster creightoni*
VU¹⁶³ D2
USA
- Doronomyrmex goesswaldi*
VU¹⁶³ D2
Germany
- Doronomyrmex kutteri*
VU¹⁶³ D2
Germany
- Doronomyrmex pacis*
VU¹⁶³ D2
Switzerland
- Doronomyrmex pocahontas*
VU¹⁶³ D2
Canada
- Epimyrma adlerzi*
VU¹⁶³ D2
Greece
- Epimyrma africana*
VU¹⁶³ D2
Algeria
- Epimyrma algeriana*
VU¹⁶³ D2
Algeria
- Epimyrma bernardi*
VU¹⁶³ D2
Spain
- Epimyrma corsica*
VU¹⁶³ D2
France
- Epimyrma goridaghini*
VU¹⁶³ D2
Russia
- Epimyrma kraussei*
VU¹⁶³ D2
Italy
- Epimyrma ravouxi*
VU¹⁶³ D2
France
- Epimyrma stumperi*
VU¹⁶³ D2
Switzerland
- Epimyrma tamarae*
VU¹⁶³ D2
Georgia
- Epimyrma zaleskyi*
VU¹⁶³ D2
Czech Republic
- Formica dirksi*
VU¹⁶³ D2
USA
- Formica talbotae*
VU¹⁶³ D2
USA
- Formicoxenus chamberlini*
VU¹⁶³ D2
USA
- Formicoxenus nitidulus*
VU¹⁶³ A2c
Austria, Denmark, Finland, France,
Germany, Italy, Norway, Poland,
Sweden, Switzerland
- Formicoxenus provancheri*
VU¹⁶³ D2
Canada, USA
- Formicoxenus quebecensis*
VU¹⁶³ D2
Canada
- Formicoxenus sibiricus*
VU¹⁶³ D2
Russia
- Harapogoxenus zaisanicus*
VU¹⁶³ D2
Mongolia
- Harapogoxenus canadensis*
VU¹⁶³ D2
Canada, USA
- Harapogoxenus sublaevis*
VU¹⁶³ A2c
Austria, France, Germany, Italy,
Switzerland
- Kyidris media*
VU¹⁶³ D2
Papua New Guinea
- Kyidris yaleogyna*
VU¹⁶³ D2
Papua New Guinea
- Lasius reginae*
VU¹⁶³ A2c
Austria
- Leptothorax buschingeri*
VU¹⁶³ D2
Switzerland
- Leptothorax duloticus*
VU¹⁶³ D2
USA
- Leptothorax ergatogyna*
VU¹⁶³ D2
France
- Leptothorax faberi*
VU¹⁶³ D2
Canada
- Leptothorax minutissimus*
VU¹⁶³ D2
USA
- Manica parasitica*
VU¹⁶³ D2
USA
- Megalomyrmex symmetochus*
VU¹⁶³ D2
Panama
- Monomorirm noualhieri*
VU¹⁶³ D2
Algeria



- Monomorium effractor*
VU ¹⁶³ D2
India
- Monomorium hospitum*
VU ¹⁶³ D2
Singapore
- Monomorium inquilinum*
VU ¹⁶³ D2
Mexico
- Monomorium pergandei*
VU ¹⁶³ D2
USA
- Monomorium santschii*
VU ¹⁶³ D2
Tunisia
- Monomorium talbotae*
VU ¹⁶³ D2
USA
- Myrmecia inquilina*
VU ¹⁶³ D2
Australia
- Myrmecoxenus gordiagini*
VU ¹⁶³ D2
Russia, Yugoslavia
- Myrmica bibikoffi*
VU ¹⁶³ D2
Switzerland
- Myrmica colax*
VU ¹⁶³ D2
USA
- Myrmica ereptrix*
VU ¹⁶³ D2
India
- Myrmica faniensis*
VU ¹⁶³ D2
Belgium
- Myrmica hirsuta*
VU ¹⁶³ D2
United Kingdom
- Myrmica kabylica*
VU ¹⁶³ D2
Algeria
- Myrmica lampra*
VU ¹⁶³ D2
Canada
- Myrmica laurae*
VU ¹⁶³ D2
Italy
- Myrmica lemasnei*
VU ¹⁶³ D2
France, Spain
- Myrmica myrmicoxena*
VU ¹⁶³ D2
Switzerland
- Myrmica quebecensis*
VU ¹⁶³ D2
Canada
- Myrmica samnitica*
VU ¹⁶³ D2
Italy
- Myrmica symbiotica*
VU ¹⁶³ D2
Italy
- Myrmica winterae*
VU ¹⁶³ D2
Switzerland
- Nothomyrmecia macrops*
Australian Ant
CR ¹⁶³ B1+2c
Australia
- Oxyepoecus bruchi*
VU ¹⁶³ D2
Argentina
- Oxyepoecus daguerrei*
VU ¹⁶³ D2
Argentina
- Oxyepoecus inquilina*
VU ¹⁶³ D2
Argentina
- Parapheidole oculata*
VU ¹⁶³ D2
Madagascar
- Pheidole acutidens*
VU ¹⁶³ D2
Argentina
- Pheidole argentina*
VU ¹⁶³ D2
Argentina
- Pheidole elecebra*
VU ¹⁶³ D2
USA
- Pheidole inquilina*
VU ¹⁶³ D2
USA
- Pheidole lanuginosa*
VU ¹⁶³ D2
India
- Pheidole microgyna*
VU ¹⁶³ D2
Guyana
- Pheidole neokohli*
VU ¹⁶³ D2
Zaire
- Pheidole parasitica*
VU ¹⁶³ D2
India
- Pheidole symbiotica*
VU ¹⁶³ D2
Argentina
- Plagiolepis ampeloni*
VU ¹⁶³ D2
Austria
- Plagiolepis grassei*
VU ¹⁶³ D2
France
- Plagiolepis regis*
VU ¹⁶³ D2
Russia
- Pogonomyrmex anergismus*
VU ¹⁶³ D2
USA
- Pogonomyrmex colei*
VU ¹⁶³ D2
USA
- Polyergus breviceps*
VU ¹⁶³ D2
USA
- Polyergus lucidus*
VU ¹⁶³ D2
USA
- Polyergus nigerrimus*
VU ¹⁶³ D2
Russia
- Polyergus samurai*
VU ¹⁶³ D2
Japan
- Protomognathus americanus*
VU ¹⁶³ D2
USA
- Pseudoatta argentina*
VU ¹⁶³ D2
Argentina
- Pseudomyrmex leptosus*
VU ¹⁶³ D2
USA
- Rhoptromyrmex mayri*
VU ¹⁶³ D2
India
- Rhoptromyrmex schmitzi*
VU ¹⁶³ D2
Israel
- Rossomyrmex proformicarum*
VU ¹⁶³ D2
Russia
- Rossomyrmex minuchae*
VU ¹⁶³ D2
Spain
- Serrastruma inquilina*
VU ¹⁶³ D2
Zaire
- Solenopsis acuminata*
VU ¹⁶³ D2
Argentina
- Solenopsis daguerrei*
VU ¹⁶³ D2
Argentina, Uruguay
- Solenopsis solenopsisoidis*
VU ¹⁶³ D2
Argentina

- Strongylognathus afer*
VU¹⁶³ D2
Algeria
- Strongylognathus alboini*
VU¹⁶³ D2
Italy
- Strongylognathus alpinus*
VU¹⁶³ D2
Switzerland
- Strongylognathus arnoldii*
VU¹⁶³ D2
Russia
- Strongylognathus caecilia*
VU¹⁶³ D2
Spain
- Strongylognathus ceconii*
VU¹⁶³ D2
Italy
- Strongylognathus chelifera*
VU¹⁶³ D2
Russia
- Strongylognathus christophi*
VU¹⁶³ D2
Russia
- Strongylognathus dalmaticus*
VU¹⁶³ D2
Croatia
- Strongylognathus destefanii*
VU¹⁶³ D2
Italy
- Strongylognathus emeryi*
VU¹⁶³ D2
Italy
- Strongylognathus foreli*
VU¹⁶³ D2
Algeria
- Strongylognathus huberi*
VU¹⁶³ D2
Italy, Switzerland
- Strongylognathus insularis*
VU¹⁶³ D2
Italy
- Strongylognathus italicus*
VU¹⁶³ D2
Italy
- Strongylognathus karawajevi*
VU¹⁶³ D2
Ukraine
- Strongylognathus kervillei*
VU¹⁶³ D2
Turkey
- Strongylognathus koreanus*
VU¹⁶³ D2
North Korea, South Korea
- Strongylognathus kratochvilli*
VU¹⁶³ D2
Czech Republic
- Strongylognathus minutus*
VU¹⁶³ D2
Turkmenistan
- Strongylognathus palaestinensis*
VU¹⁶³ D2
Israel
- Strongylognathus pisarskii*
VU¹⁶³ D2
Italy
- Strongylognathus rehbinderi*
VU¹⁶³ D2
Georgia
- Strongylognathus ruzskyi*
VU¹⁶³ D2
Russia
- Strongylognathus silvestrii*
VU¹⁶³ D2
Greece
- Strumigenys xenos*
VU¹⁶³ D2
Australia, New Zealand
- Teleutomyrmex kutteri*
VU¹⁶³ D2
Spain
- Teleutomyrmex schneideri*
VU¹⁶³ D2
France, Switzerland
- Tetramorium microgyna*
VU¹⁶³ D2
South Africa, Zimbabwe
- Tetramorium parasiticum*
VU¹⁶³ D2
South Africa
- Order **LEPIDOPTERA**
Family **HESPERIIDAE**
- Hesperia dacotae*
Dakota Skipper
VU¹⁸⁵ A1c+2c
Canada, USA
- Family **LASIOCAMPIDAE**
- Phylodesma ilicifolia*
Small Lappet Moth
VU¹⁸⁵ A1c
Austria?, Belarus?, Belgium, China,
Czech Republic?, Denmark,
Estonia?, Finland, France, Germany,
Italy?, Japan, Kazakhstan?, Latvia?,
Lithuania?, Mongolia?, Norway?,
Poland, Romania, Russia, Slovakia?,
Spain?, Sweden, Switzerland?,
Ukraine?
- Family **LYCAENIDAE**
- Acrodipsas illidgei*
Illidge's Ant-blue
EN⁷⁵ B1+2c
Australia
- Agriades zullichii*
EN⁷⁵ B1+2c
Spain
- Alaena margaritacea*
VU⁷⁵ D2
South Africa
- Aloeides caledoni*
VU⁷⁵ D2
South Africa
- Aloeides carolynnae*
VU⁷⁵ D2
South Africa
- Aloeides dentatis*
VU⁷⁵ D2
Lesotho, South Africa
- Aloeides egerides*
VU⁷⁵ B1+2c
South Africa
- Aloeides kaplani*
VU⁷⁵ D2
South Africa
- Aloeides lutescens*
VU⁷⁵ D2
South Africa
- Aloeides merces*
VU⁷⁵ D2
South Africa
- Aloeides nollothi*
VU⁷⁵ D2
South Africa
- Aloeides nubilis*
VU⁷⁵ D2
South Africa
- Aloeides pringlei*
VU⁷⁵ D2
South Africa
- Aloeides rossouwi*
VU⁷⁵ D2
South Africa
- Arawacus aethesa*
EN⁷⁵ B1+2c
Brazil
- Aslauga australis*
VU⁷⁵ D2
South Africa
- Capys penningtoni*
VU⁷⁵ D2
South Africa
- Chrysoritis cotrelli*
CR⁷⁵ B1+2c
South Africa
- Cyanophrys berthae*
VU⁷⁵ B1+2c
Brazil
- Erikssonia acraeina*
VU⁷⁵ D2
South Africa, Zaire, Zambia



- Iolais lulua*
White Spotted Sapphire
VU ⁷⁵ D2
South Africa
- Joiceya praeclarus*
EN ⁷⁵ B1+2c
Brazil
- Lepidochrysops badhami*
VU ⁷⁵ D2
South Africa
- Lepidochrysops balli*
VU ⁷⁵ D2
South Africa
- Lepidochrysops jefferyi*
VU ⁷⁵ D2
South Africa
- Lepidochrysops littoralis*
VU ⁷⁵ D2
South Africa
- Lepidochrysops loewensteini*
VU ⁷⁵ D2
South Africa
- Lepidochrysops lotana*
CR ⁷⁵ B1+2c
South Africa
- Lepidochrysops oosthuizen*
VU ⁷⁵ D2
South Africa
- Lepidochrysops outeniqua*
VU ⁷⁵ D2
South Africa
- Lepidochrysops penningtoni*
VU ⁷⁵ D2
South Africa
- Lepidochrysops pephredo*
VU ⁷⁵ D2
South Africa
- Lepidochrysops poseidon*
VU ⁷⁵ D2
South Africa
- Lepidochrysops pringlei*
VU ⁷⁵ D2
South Africa
- Lepidochrysops quickelbergei*
VU ⁷⁵ D2
South Africa
- Lepidochrysops swanepoeli*
VU ⁷⁵ D2
South Africa
- Lepidochrysops titei*
VU ⁷⁵ B1+2c
South Africa
- Lepidochrysops victori*
VU ⁷⁵ D2
South Africa
- Lepidochrysops wykehami*
VU ⁷⁵ D2
South Africa
- Lycaena hermes*
Hermes Copper
VU ⁷⁵ D2
Mexico, USA
- Nirodia belphegor*
EN ⁷⁵ B1+2c
Brazil
- Orachrysops ariadne*
VU ⁷⁵ D2
South Africa
- Orachrysops niobe*
EN ⁷⁵ B1+2c
South Africa
- Oxychaeta dicksoni*
Dickson's Copper
EN ⁷⁵ B1+2c
South Africa
- Paralucia spinifera*
Bathurst Copper
EN ⁷⁵ B1+2c
Australia
- Phasis pringlei*
VU ⁷⁵ D2
South Africa
- Poecilmitis adonis*
VU ⁷⁵ D2
South Africa
- Poecilmitis azurius*
VU ⁷⁵ D2
South Africa
- Poecilmitis balli*
VU ⁷⁵ D2
South Africa
- Poecilmitis daphne*
VU ⁷⁵ D2
South Africa
- Poecilmitis endymion*
VU ⁷⁵ D2
South Africa
- Poecilmitis henningi*
VU ⁷⁵ D2
South Africa
- Poecilmitis hyperion*
VU ⁷⁵ D2
South Africa
- Poecilmitis irene*
VU ⁷⁵ D2
South Africa
- Poecilmitis kaplani*
VU ⁷⁵ D2
South Africa
- Poecilmitis lyncurium*
Tsono River Copper
VU ⁷⁵ D2
South Africa
- Poecilmitis lyndseyae*
VU ⁷⁵ D2
South Africa
- Poecilmitis orientalis*
VU ⁷⁵ D2
South Africa
- Poecilmitis penningtoni*
VU ⁷⁵ D2
South Africa
- Poecilmitis pyramus*
VU ⁷⁵ D2
South Africa
- Poecilmitis rileyi*
EN ⁷⁵ B1+2c
South Africa
- Poecilmitis stephensi*
VU ⁷⁵ D2
South Africa
- Poecilmitis swanepoeli*
EN ⁷⁵ B1+3d
South Africa
- Poecilmitis trimeni*
VU ⁷⁵ D2
South Africa
- Poecilmitis wykehami*
VU ⁷⁵ D2
South Africa
- Polyommatus galloi*
Higgin's Anomalous Blue
EN ⁷⁵ B1+2c
Italy
- Polyommatus golgus*
Sierra Nevada Blue
EN ⁷⁵ B1+2c
Spain
- Polyommatus humedasaе*
Piedmont Anomalous Blue
CR ⁷⁵ B1+2c
Italy
- Strymon avalona*
Avalon Hairstreak
VU ⁷⁵ D2
USA
- Thestor compassbergae*
VU ⁷⁵ D2
South Africa
- Thestor dryburghi*
VU ⁷⁵ D2
South Africa
- Thestor kaplani*
Kaplan's Thestor
VU ⁷⁵ D2
South Africa

Thestor pringlei

VU⁷⁵ D2
South Africa

Thestor rossouwi

VU⁷⁵ D2
South Africa

Thestor stepeni

VU⁷⁵ D2
South Africa

Thestor strutti

VU⁷⁵ D2
South Africa

Thestor swanepoeli

VU⁷⁵ D2
South Africa

Thestor tempe

VU⁷⁵ D2
South Africa

Thestor yildizae

VU⁷⁵ B1+2c
South Africa

Trimenia wallengrenii

Wallengren's Copper
EN⁷⁵ B1+2c
South Africa

Family NYMPHALIDAE

Amauris comorana

Comoro Friar
EN¹⁰⁵ B1+2c, C2b
Comoros

Amauris nossima

Madagascan Friar
VU¹⁰⁵ B1+2c
Comoros, Madagascar, Mayotte

Amauris phoedon

Mauritian Friar
VU¹⁰⁵ B1+2c
Mauritius

Boloria acrocroma

Uncompahgre Fritillary Butterfly
VU¹⁸⁵ D2
USA

Euploea albicosta

Biak Dark Crow
EN¹⁰⁵ B1+2c
Indonesia

Euploea andamanensis

Andaman Crow
VU¹⁰⁵ B1+2c
India (Andaman & Nicobar Is),
Myanmar

Euploea caespes

Murphy's Crow
EN¹⁰⁵ B1+2c, C2a
Indonesia

Euploea cordelia

Cordelia's Crow
VU¹⁰⁵ B1+2c
Indonesia

Euploea euphon

Mascarene Crow
VU¹⁰⁵ B1+2c
Mauritius (ex) (Rodrigues), Réunion

Euploea lacon

Spartan Crow
VU¹⁰⁵ B1+2c
Papua New Guinea

Euploea magou

the Magou
VU¹⁰⁵ B1+2c
Indonesia

Euploea mitra

Seychelles Crow
EN¹⁰⁵ B1+2c
Seychelles

Euploea scherzeri

Nicobar Crow
VU¹⁰⁵ B1+2c
India (Andaman & Nicobar Is)

Euploea tripunctata

Biak Threespot Crow
EN¹⁰⁵ B1+2c
Indonesia

Heliconius nattereri

Natterer's Longwing
CR¹⁸⁵ B1+2c
Brazil

Idea electra

Electra's Tree-nymph
VU¹⁰⁵ B1+2c
Philippines

Idea tambusisiana

Bedford-Russell's Tree-nymph
VU¹⁰⁵ B1+2c
Indonesia

Ideopsis hewitsonii

Hewitson's Small Tree-nymph
EN¹⁰⁵ B1+2c
Indonesia

Ideopsis oberthurii

VU¹⁰⁵ B1+2c
Indonesia

Parantica clinias

New Ireland Yellow Tiger
VU¹⁰⁵ B1+2c
Papua New Guinea

Parantica dabrerai

D'Abreera's Tiger
VU¹⁰⁵ B1+2c
Indonesia

Parantica dannatti

Dannatt's Tiger
VU¹⁰⁵ B1+2c
Philippines

Parantica davidi

David's Tiger
CR¹⁰⁵ A1c, B1+2abde, C2b
Philippines

Parantica garamantis

Angled Tiger
VU¹⁰⁵ B1+2c
Papua New Guinea, Solomon Islands

Parantica hypowattan

Morishita's Tiger
VU¹⁰⁵ B1+2c
Indonesia

Parantica kuekenthali

Kuekenthal's Yellow Tiger
EN¹⁰⁵ B1+2c
Indonesia

Parantica marcia

Biak Tiger
EN¹⁰⁵ B1+2c
Indonesia

Parantica milagros

Milagros' Tiger
EN¹⁰⁵ B1+2c
Philippines

Parantica philo

Sumbawa Tiger
VU¹⁰⁵ B1+2c
Indonesia

Parantica phyle

Felder's Tiger
VU¹⁰⁵ B1+2c
Philippines

Parantica schoenigi

Father Schoenig's Chocolate
EN¹⁰⁵ B1+2c
Philippines

Parantica sulewattan

Bonthain Tiger
EN¹⁰⁵ B1+2c
Indonesia

Parantica timorica

Timor Yellow Tiger
EN¹⁰⁵ B1+2c
Indonesia

Parantica toxopei

Toxopeus' Yellow Tiger
VU¹⁰⁵ B1+2c
Indonesia

Parantica wegneri

Flores Tiger
VU¹⁰⁵ B1+2c
Indonesia



- Tiradelphe schneideri*
Schneider's Surprise
EN¹⁰⁵ B1+2c
Solomon Islands
- Tirumala euploeomorpha*
Crow Tiger
VU¹⁰⁵ B1+2c
Solomon Islands
- Family PAPILIONIDAE
- Atrophaneura atropos*
VU⁷⁵ A1c, D2
Philippines
- Atrophaneura jophon*
Sri Lankan Rose
CR⁷⁵ B1+2ac
Sri Lanka
- Atrophaneura luchti*
VU⁷⁵ D2
Indonesia
- Atrophaneura schadenbergi*
VU⁷⁵ A1c+2c
Philippines
- Battus zetides*
Zetides Swallowtail
VU⁷⁵ A1c, B1+2c
Dominican Republic, Haiti
- Bhutanitis ludlowi*
Ludlow's Bhutan Swallowtail
VU⁷⁵ D2
Bhutan
- Eurytides iphitas*
Yellow Kite Swallowtail
VU⁷⁵ A1ce
Brazil
- Eurytides marcellinus*
Jamaican Kite
VU⁷⁵ B2bc+3d
Jamaica
- Graphium epaminondas*
Andamans Swordtail
VU⁷⁵ A2e
India (Andaman & Nicobar Is)
- Graphium idaeoides*
VU⁷⁵ A2c
Philippines
- Graphium levassori*
EN⁷⁵ B1+2c
Comoros
- Graphium meeki*
Meek's Graphium
VU⁷⁵ B1+2cd
Papua New Guinea, Solomon Islands
- Graphium megaera*
VU⁷⁵ A2c
Philippines
- Graphium procles*
VU⁷⁵ A2c, D2
Malaysia
- Graphium sandawanum*
EN⁷⁵ B1+2ac
Philippines
- Graphium stresemanni*
VU⁷⁵ B1+2ad
Indonesia
- Ornithoptera aesacus*
VU⁷⁵ D2
Indonesia
- Ornithoptera alexandrae*
Queen Alexandra's Birdwing
EN⁷⁵ B1+2c
Papua New Guinea
- Ornithoptera croesus*
EN⁷⁵ B1+2c
Indonesia
- Ornithoptera meridionalis*
EN⁷⁵ B1+2c
Indonesia, Papua New Guinea
- Ornithoptera rothschildi*
Rothschild's Birdwing
VU⁷⁵ D2
Indonesia
- Papilio aristophontes*
EN⁷⁵ B1+2c
Comoros
- Papilio carolinensis*
VU⁷⁵ D2
Philippines
- Papilio chikae*
EN⁷⁵ B1+2e
Philippines
- Papilio esperanza*
VU⁷⁵ D2
Mexico
- Papilio homerus*
Homerus Swallowtail
EN⁷⁵ B1+2cd
Jamaica
- Papilio hospiton*
Corsican Swallowtail
EN⁷⁵ B1+2c
France, Italy
- Papilio jordani*
Jordan's Swallowtail
VU⁷⁵ D2
Indonesia
- Papilio leucotaenia*
Cream-banded Swallowtail
VU⁷⁵ B1+2c
Burundi, Rwanda, Uganda
- Papilio mangoura*
VU⁷⁵ B1+2c
Madagascar
- Papilio moernerii*
EN⁷⁵ B1+2c
Papua New Guinea
- Papilio neumoegeni*
VU⁷⁵ B1+2c, D2
Indonesia
- Papilio osmana*
VU⁷⁵ B1+2c, D2
Philippines
- Papilio phorbanta*
Papillon La Pature
VU⁷⁵ B1+2ac
Réunion
- Parides ascanius*
Fluminense Swallowtail
VU⁷⁵ B1+2ac
Brazil
- Parnassius apollo*
Apollo
VU⁷⁵ A1cde
Albania, Andorra, Armenia, Austria, Azerbaijan?, Bulgaria, China, Czech Republic, Finland, France, Georgia, Germany, Greece, Hungary?, Iran, Iraq, Italy, Kazakhstan, Kyrgyzstan, Liechtenstein, Mongolia, Netherlands?, Norway, Poland, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Syria, Turkey, Ukraine, Yugoslavia
- Parnassius autocrator*
VU⁷⁵ D2
Afghanistan, Tajikistan
- Troides dohertyi*
Talaud Black Birdwing
VU⁷⁵ B1+2c
Indonesia
- Troides pratorum*
VU⁷⁵ D2
Indonesia
- Family SPHINGIDAE
- Euproserpinus wiesti*
Prairie Sphinx Moth
CR¹⁸⁵ B1+2c
USA
- Order ODONATA
- Family AESHNIDAE
- Acanthaeschna victoria*
VU¹²³ B1+2c
Australia
- Aeshna meruensis*
EN¹²³ B1+2c
Tanzania
- Aeshna persephone*
VU¹²³ B1+2c
USA

Aeshna williamsoniana

EN ¹²³ A1c
Mexico

Cephaloeschna acutifrons

VU ¹²³ B1+2c
India

Oligoaeschna kunigamiensis

EN ¹²³ B1+2c
Japan (Nansei-shoto)

Family AMPHIPTERYGIDAE

Amphipteryx agrioides

EN ¹²³ A1c
Belize, El Salvador, Guatemala,
Honduras, Mexico

Family CALOPTERYGIDAE

Calopteryx syriaca

EN ¹²³ A2c
Jordan, Syria, Turkey

Hetaerina rudis

EN ¹²³ B1+2c
Guatemala, Mexico

Family CHLOROCYPHIDAE

Rhinocypha hageni

EN ¹²³ B1+2c
Philippines

Rhinocypha latimaculata

EN ¹²³ B1+2c
Philippines

Rhinocypha ogasawarensis

CR ¹²³ B1+2c
Japan (Ogasawara-gunto)

Rhinocypha uenoi

EN ¹²³ B1+2c
Japan (Nansei-shoto)

Family COENAGRIONIDAE

Argiagrion leoninum

EN ¹²³ B1+2c
Sierra Leone

Argiocnemis solitaria

CR ¹²³ B1+2c
Mauritius (Rodrigues)

Argiocnemis umbargae

EN ¹²³ B1+2c
Cameroon

Boninagrion ezoin

CR ¹²³ B1+2c
Japan (Ogasawara-gunto)

Coenagrion mercuriale

Southern Damselfly
VU ¹²³ A2c
Albania?, Algeria, Austria, Belgium,
Bulgaria?, Czech Republic?, France,
Germany, Hungary?, Italy,
Liechtenstein, Luxembourg,
Moldova?, Morocco, Netherlands,
Portugal, Romania?, Slovakia?,

Spain, Switzerland, Tunisia,
Ukraine?, United Kingdom,
Yugoslavia?

Enallagma camerunense

EN ¹²³ B1+2c
Cameroon

Enallagma recurvatum

Barrens Bluetail Damselfly
VU ¹²³ A2c
USA

Ischnura gemina

San Francisco Forktail Damselfly
EN ¹²³ A2c
USA

Megalagrion adytum

Adytum Damselfly
VU ¹²³ B1+2c
USA (Hawaiian Is)

Megalagrion leptodemas

Leptodemas Damselfly
EN ¹²³ B1+2c
USA (Hawaiian Is)

Megalagrion nigrolineatum

Black-lined Damselfly
VU ¹²³ B1+2c
USA (Hawaiian Is)

Megalagrion oahuense

Oahu Damselfly
VU ¹²³ B1+2c
USA (Hawaiian Is)

Megalagrion oceanicum

Oceanic Damselfly
VU ¹²³ B1+2c
USA (Hawaiian Is)

Megalagrion pacificum

Pacific Damselfly
VU ¹²³ B1+2c
USA (Hawaiian Is)

Megalagrion xanthomelas

Orange-black Damselfly
VU ¹²³ B1+2c
USA (Hawaiian Is)

Mortonagrion hirosei

EN ¹²⁷ B1+2c
Japan

Nehalennia pallidula

VU ¹²³ B1+2c
USA

Family CORDULEGASTERIDAE

Chlorogomphus iriomotensis

EN ¹²³ B1+2c
Japan (Nansei-shoto)

Cordulegaster mzyntae

VU ¹²³ B1+2c
Armenia, Azerbaijan, Georgia,
Russia?, Turkey

Zoraena sayi

Florida Spiketail Dragonfly
VU ¹²³ B1+2c
USA

Family CORDULIIDAE

Austrocordulia leonardi

CR ¹²³ B1+2c
Australia

Hemicordulia ogasawarensis

EN ¹²³ B1+2c
Japan (Ogasawara-gunto)

Hemicordulia okinawensis

VU ¹²³ B1+2c
Japan (Nansei-shoto)

Libellulosoma minuta

VU ¹²³ B1+2c
Madagascar

Macromia ishidaei

EN ¹²³ B1+2c
Japan

Macromia kubokaiya

EN ¹²³ B1+2c
Japan (Nansei-shoto)

Macromia splendens

Shining Macromia Dragonfly
VU ¹²³ B1+2c
France, Portugal, Spain

Macromia urania

EN ¹²³ B1+2c
Japan

Oxygastra curtisii

Orange-spotted Emerald
VU ¹²³ A1c
Belgium, France, Germany, Italy,
Morocco, Netherlands, Portugal,
Spain, Switzerland, United Kingdom

Somatochlora brevicincta

VU ¹²³ D2
Canada

Somatochlora hineana

Ohio Emerald Dragonfly
EN ¹²³ B1+2c
USA

Somatochlora margarita

Big Thicket Emerald Dragonfly
VU ¹²³ D2
USA

Williamsonia lintneri

Banded Bog Skimmer Dragonfly
VU ¹²³ A2c
USA

Family EPIOPHLEBIIDAE

Epiophlebia laidlawi

Relict Himalayan Dragonfly
VU ¹²³ B1+2c
India, Nepal



Family GOMPHIDAE

*Asiagomphus yayeyamensis*EN ¹²³ B1+2c

Japan

*Burmagomphus sivalikensis*CR ¹²³ A1c

India

*Cornigomphus guineensis*EN ¹²³ A1c

Equatorial Guinea

*Diaphlebia pallidistylus*EN ¹²³ A1c

Costa Rica

*Epigomphus camelus*EN ¹²³ A1c

Costa Rica

*Epigomphus clavatus*EN ¹²³ A1c

Guatemala

*Epigomphus crepidus*EN ¹²³ A1c

Mexico

*Epigomphus paulsoni*EN ¹²³ A1c

Mexico

*Epigomphus subsimilis*EN ¹²³ A1c

Costa Rica

*Epigomphus verticornis*EN ¹²³ A1c

Costa Rica

Gomphurus consanguis

Cherokee Clubtail Dragonfly

VU ¹²³ B1+2c

USA

*Gomphurus lynxae*EN ¹²³ B1+2c

USA

*Gomphus graslini*VU ¹²³ B1+2c

France, Spain

Gomphus sandrius

Tennessee Clubtail Dragonfly

EN ¹²³ A1c

USA

Gomphus septima

Septima's Clubtail Dragonfly

VU ¹²³ B1+2c

USA

*Isomma hieroglyphicum*VU ¹²³ A1c

Madagascar

*Leptogomphus yayeyamensis*EN ¹²³ B1+2c

Japan (Nansei-shoto)

*Onychogomphus assimilis*VU ¹²³ B1+2cArmenia, Azerbaijan, Georgia,
Turkey*Onychogomphus macrodon*EN ¹²³ B1+2c

Israel, Jordan, Turkey

*Ophiogomphus acuminatus*VU ¹²³ A2c

USA

Ophiogomphus edmundo

Edmund's Snaketail Dragonfly

EN ¹²³ B1+2c

USA

Ophiogomphus howei

Howe's Midget Snaketail Dragonfly

VU ¹²³ A2c

USA

*Paragomphus sinaiticus*VU ¹²³ A2cEgypt, Niger, Oman, Saudi Arabia,
Sudan*Progomphus bellei*

Belle's Sand Clubtail

VU ¹²³ A2c

USA

*Progomphus risi*EN ¹²³ A1c

Mexico

Stylurus potentulus

Yellow-sided Clubtail

VU ¹²³ A2c

USA

Stylurus townesi

Bronze Clubtail Dragonfly

VU ¹²³ A2c

USA

Family HEMIPHLEBIIDAE

*Hemiphlebia mirabilis*VU ¹²³ B1+2c

Australia

Family LESTIDAE

*Indolestes boninensis*CR ¹²³ B1+2c

Japan (Ogasawara-gunto)

Family LIBELLULIDAE

*Allorhizucha campioni*EN ¹²³ A1c

Sierra Leone

*Boninthemis insularis*CR ¹²³ B1+2c

Japan (Ogasawara-gunto)

*Brachythemis fuscopalliata*VU ¹²³ B1+2c

Iraq, Israel, Turkey

*Brachythemis liberiensis*CR ¹²³ A1c

Guinea-Bissau

*Libellula angelina*CR ¹²³ A1c

Japan

Libellula jesseana

Purple Chaser

VU ¹²³ A2c

USA

*Lyriothemis tricolor*EN ¹²³ B1+2c

Japan (Nansei-shoto)

*Monardithemis flava*VU ¹²³ B1+2c

Angola, Zambia

*Palpopleura albifrons*CR ¹²³ A1c

Gabon

*Trithemis hartwigi*EN ¹²³ A1c

Equatorial Guinea

*Trithemis nigra*CR ¹²³ B1+2c

São Tomé & Príncipe (Príncipe)

Family MEGAPODAGRIONIDAE

*Amanipodagrion gilliesi*EN ¹²³ B1+2c

Tanzania

*Heteragrion eboratum*EN ¹²³ A1c

Guatemala, Honduras

*Heteragrion tricellulare*EN ¹²³ A1c

Guatemala, Mexico

*Hypolestes clara*EN ¹²³ A1c

Jamaica

*Hypolestes trinitatis*EN ¹²³ A1c

Cuba

*Paraphlebia zoe*EN ¹²³ A1c

Mexico

*Rhipidolestes okinawanus*EN ¹²³ B1+2c

Japan (Nansei-shoto)

*Thamatoneura inopinata*EN ¹²³ A1c

Costa Rica, Panama

Family PETALURIDAE

*Petalura pulcherrima*EN ¹²³ B1+2c

Australia

Family PLATYCNEMIDIDAE

Platycnemis mauriciana

CR¹²³ B1+2c
Mauritius

Family PLATYSTICTIDAE

Palaemnema chiriquita

EN¹²³ A1c
Costa Rica

Palaemnema gigantula

EN¹²³ A1c
Costa Rica

Palaemnema melanota

EN¹²³ A1c
Costa Rica

Palaemnema paucicoba

EN¹²³ A1c
Mexico

Palaemnema reventazoni

EN¹²³ A1c
Costa Rica

Family PSEUDOSTIGMATIDAE

Mecistogaster asticta

VU¹²³ A1c
Brazil

Mecistogaster pronoti

CR¹²³ A1c
Brazil

Family SYNLESTIDAE

Chlorolestes apricans

EN¹²³ B1+2ab
South Africa

Ecchlorolestes peringueyi

EN¹²³ B1+2c
South Africa

Phylolestes ethelae

VU¹²³ A1c, B1+2c
Dominican Republic

Order ORTHOPTERA

Family ACRIDIDAE

Acrolophitus pulchellus

Idaho Point-headed Grasshopper
VU¹²³ B1+2bd
USA

Appalachia arcena

Michigan Bog Grasshopper
VU¹²³ B1+2bd
USA

Chloaeltis aspasma

Siskiyou Chloaeltis Grasshopper
VU¹²³ B1+2bd
USA

Chortippus acroleucus

VU¹²³ B1+2bd
Hungary, Romania

Miramella irena

VU¹²³ B1+2d
Hungary, Romania

Odontopodisma montana

VU¹²³ B1+2d
Hungary, Romania

Odontopodisma rubripes

VU¹²³ B1+2d
Hungary

Schayera baiulus

CR¹²³ B1+2bd
Australia

Spharagemon superbum

VU¹²³ B1+2bd
USA

Stenobothrodes eurasius

VU¹²³ B1+2d
Hungary, Romania

Trimerotropis infantilis

Zyanc Band-winged Grasshopper
EN¹⁴⁶ A1c
USA

Trimerotropis occidentaloides

Santa Monica Mountains
Grasshopper
EN¹⁴⁶ A1c
USA

Trimerotropis occulens

Lompoc Grasshopper
EN¹⁴⁶ A1c
USA

Zubovskia banatica

VU¹²³ B1+2d
Hungary, Romania

Family EUMASTACIDAE

Eumorsea pinaleno

Pinaleno Monkey Grasshopper
VU¹²³ B1+2bd
USA

Psychomastatix deserticola

Desert Monkey Grasshopper
VU¹²³ B1+2bd
USA

Family GRYLLIDAE

Caconemobius howarthi

Howarth's Cave Cricket
VU¹²³ D2
USA (Hawaiian Is)

Caconemobius schauinslandi

Schauinsland's Bush Cricket
VU¹²³ D2
USA (Hawaiian Is)

Caconemobius varius

Kaumana Cave Cricket
VU¹²³ B1+2bd, C2a
USA (Hawaiian Is)

Cycloptilum irregularis

Keys Scaly Cricket
VU¹²³ C2a, D2
USA

Oecanthus laricis

Laricis Tree Cricket
EN¹²³ B1+2b
USA

Thaumtogryllus cavicola

Volcanoes Cave Cricket
VU¹²³ D2
USA (Hawaiian Is)

Thaumtogryllus variegatus

Kauai Thin-footed Bush Cricket
VU¹²³ B1+2bd
USA (Hawaiian Is)

Family RHAPHIDOPHORIDAE

Daihinibaenetes arizonensis

Arizona Giant Sand Treader Cricket
VU¹²³ B1+2bd
USA

Macrobaenetes kelsoensis

Kelso Giant Sand Treader Cricket
VU¹²³ B1+2bd
USA

Macrobaenetes valgum

Coachelia Giant Sand Treader
Cricket
VU¹²³ B1+2bd
USA

Tasmanoplectron isolatum

VU¹²³ D1+2
Australia

Utabaenetes tanneri

Tanner's Black Camel Cricket
VU¹²³ B1+2bd
USA

Family STENOPELMATIDAE

Ammopelmatus kelsoensis

Kelso Jerusalem Cricket
VU¹²³ B1+2bd
USA

Ammopelmatus muwu

Port Conception Jerusalem Cricket
VU¹²³ B1+2bd
USA

Deinacrida fallai

Poor Knights Weta
VU¹⁸⁵ D2
New Zealand

Deinacrida heteracantha

Wetapunga
VU¹⁸⁵ D2
New Zealand



Deinacrida rugosa
Stephens Island Weta
VU¹⁸⁵ D2
New Zealand

Stenopelmatus cahuilaensis
Coachella Valley Jerusalem Cricket
VU¹²⁵ B1+2bd
USA

Stenopelmatus navajo
Navajo Jerusalem Cricket
VU¹²⁵ B1+2bd
USA

Family **TETRIGIDAE**

Bienkotetrix transsylvanicus
VU¹²⁵ B1+2d
Hungary, Romania

Tetrix sierrana
Sierra Pygmy Grasshopper
VU¹²⁵ D2
USA

Tettigidea empedonepia
Torreya Pygmy Grasshopper
CR¹²⁵ B1+2bd
USA

Family **TETTIGONIIDAE**

Austrosaga spinifer
VU¹²⁵ B1+2bd
Australia

Baetica ustulata
VU¹²⁵ B1+2bd
Spain

Banza nihoeae
Nihoa Banza Conehead Katydid
VU¹²⁵ B1+2bd
USA (Hawaiian Is)

Belocephalus micanopy
Big Pine Key Conehead Katydid
VU¹²⁵ B1+2bd
USA

Belocephalus sleighti
Keys Short-winged Conehead
Katydid
VU¹²⁵ B1+2bd
USA

Conocephaloides remotus
Remote Conehead Katydid
VU¹²⁵ B1+2bd
USA (Hawaiian Is)

Hemisaga elongata
CR¹²⁵ B1+2bd
Australia

Hemisaga lucifer
VU¹²⁵ B1+2bd
Australia

Hemisaga vepreculae
VU¹²⁵ B1+2bd
Australia

Idiostatus middlekaufi
Middlekauf's Shieldback Katydid
CR¹²⁵ B1+2bd
USA

Isophya harzi
VU¹²⁵ B1+2bd
Hungary, Romania

Ixalodectes flectocercus
CR¹²⁵ B1+2bd
Australia

Kawanphila pachomai
EN¹²⁵ B1+2bd
Australia

Metroiptera domogledi
VU¹²⁵ B1+2bd
Hungary, Romania

Nanodectes bulbicercus
CR¹²⁵ B1+2bd
Australia

Neduba longipennis
Santa Monica Shieldback Katydid
CR¹²⁵ B1+2bd
USA

Onconotus servillei
VU¹²⁵ B2d+3b
Hungary, Romania

Pachysaga munggai
VU¹²⁵ B1+2bd
Australia

Pachysaga strobila
CR¹²⁵ B1+2bd
Australia

Phasmodes jeeba
VU¹²⁵ B1+2c
Australia

Psacadonotus insulanus
EN¹²⁵ B1+2bd
Australia

Psacadonotus seriatus
VU¹²⁵ B1+2bd
Australia

Saga pedo
Predatory Bush Cricket
VU¹²⁵ B1+2bd

Armenia?, Austria, Azerbaijan?,
Bulgaria, China?, Czech Republic,
France, Georgia, Germany?,
Hungary, Italy, Kazakhstan,
Kyrgyzstan, Romania, Russia,
Slovakia, Spain, Switzerland,
Tajikistan, Turkmenistan, Ukraine,
Uzbekistan, Yugoslavia

Throscodectes xederoides
EN¹²⁵ B1+2bd
Australia

Throscodectes xiphos
EN¹²⁵ B1+2bd
Australia

Windbalea viride
VU¹²⁵ B1+2bd
Australia

Zaprochilus niniae
VU¹²⁵ B1+2bd
Australia

Order **PLECOPTERA**

Family **GRIPOPTERYGIDAE**

Leptoperla cacuminis
Mount Kosciusko Wingless Stonefly
VU¹⁸⁵ D2
Australia

Riekoperla darlingtoni
Mount Donna Buang Wingless
Stonefly
VU¹⁸⁵ D2
Australia

Class **ONYCHOPHORA**

Order **ONYCHOPHORA**

Family **PERIPATIDAE**

Macroperipatus insularis
EN¹²² B1+2c
Jamaica

Speleoperipatus spelaeus
CR¹²² B1+2c
Jamaica

Family **PERIPATOPSIDAE**

Peripatoides indigo
VU¹²² B1+2cd
New Zealand

Peripatoides suteri
VU¹²² B1+2c
New Zealand

Peripatopsis alba
EN¹²² B1+2c
South Africa

Tasmanipatus anophthalmus
EN¹²² B1+2bc
Australia

Class **OLIGOCHAETA**

Order **HAPLOTAXIDA**

Family **KOMAREKIONIDAE**

Komarekiona eatoni
VU¹⁸⁵ B1+2c
USA

Family **MEGASCOLECIDAE**

Driloleirus americanus
Washington Giant Earthworm
VU¹⁸⁵ D2
USA

Driloleirus macelfreshi
Oregon Giant Earthworm
VU¹⁸⁵ D2
USA

Megascolides australis
Giant Gippsland Earthworm
VU¹⁸⁵ D2
Australia

Family TUBIFICIDAE

Phallodrilus macmasterae
CR⁹⁴ B1+2c
Bermuda

Class POLYCHAETA

Order (unknown)

Family NERILLIDAE

Mesonerilla prospera
CR⁹⁴ B1+2c
Bermuda

Class BIVALVIA

Order UNIONOIDA

Family HYRIDIIDAE

Castalia martensi
VU¹⁰⁸ A1ae
Brazil

Diplodon dunkerianus
EN¹⁰⁸ A1ae
Brazil

Diplodon expansus
VU¹⁰⁸ A1ae
Brazil

Diplodon fontaineanus
EN¹⁰⁸ A1ae
Brazil

Diplodon pfeifferi
VU¹⁰⁸ A1ae
Brazil

Westralunio carteri
VU¹¹⁵ A1c, B1+2bc
Australia

Family MARGARITIFERIDAE

Margaritifera auricularia
CR¹⁵⁴ A1c
Belgium, Czech Republic, France,
Germany, Italy, Luxembourg,
Netherlands, Portugal, Spain, United
Kingdom

Margaritifera hembeli
Louisiana Pearlshell
CR²⁴ A1c
USA

Margaritifera margaritifera
EN¹¹⁵ A1ce+2c
Austria, Belgium, Czech Republic,
Denmark, Finland, France, Germany,
Ireland, Luxembourg, Norway,
Poland, Portugal, Russia, Spain,
Sweden, United Kingdom

Margaritifera marrianae
Alabama Pearl Shell
EN²⁴ A1c+2ce
USA

Family UNIONIDAE

Alasmidonta mccordi
CR²⁴ A1c
USA

Alasmidonta raveneliana
Appalachian Elktoe
CR²⁴ A1c
USA

Alasmidonta robusta
Cardina Elktoe
CR²⁴ A2e
USA

Alasmidonta wrightiana
Ochlockonee Arcmussel
CR²⁴ A1ce
USA

Amblema neislerii
Fat Threeridge
CR²⁴ A1ce
USA

Arkansia wheeleri
Ouachita Rock Pocketbook
CR²⁴ A1ce
USA

Cyprogenia aberti
Western Fan-shell
EN²⁴ A1ce
USA

Cyprogenia stegaria
Fanshell
CR²⁴ A1ce
USA

Disconaias salinasensis
EN²⁴ A1ce
USA

Dromus dromas
Dromedary Pearly Mussel
CR²⁴ A1ce
USA

Elliptio arca
EN²⁴ A1ce
USA

Elliptio chipolaensis
CR²⁴ A1ce
USA

Elliptio fraternum
EN²⁴ A1ce
USA

Elliptio nigella
Winged Spike
CR²⁴ A1c
USA

Elliptio spinosa
Altamaha Spiny mussel
EN²⁴ A1ce
USA

Elliptio steinstansana
Tar River Spiny mussel
CR²⁴ A1c
USA

Elliptio waltoni
EN²⁴ A1c
USA

Elliptioideus slootianus
CR²⁴ A1ce
USA

Epioblasma arcaeformis
CR²⁴ A1c
USA

Epioblasma biemarginata
CR²⁴ A1c
USA

Epioblasma brevidens
CR²⁴ A1ce
USA

Epioblasma capsaeformis
CR²⁴ A1ce
USA

Epioblasma flexuosa
CR²⁴ A1c
USA

Epioblasma haysiana
CR²⁴ A1c
USA

Epioblasma lenior
CR²⁴ A1c
USA

Epioblasma lewisii
CR²⁴ A1c
USA

Epioblasma metastrata
CR²⁴ A1ce
USA

Epioblasma othcaloogensis
CR²⁴ A1ce+2ce
USA

Epioblasma penita
CR²⁴ A1c
USA

Epioblasma personata
CR²⁴ A1c
USA



- Epioblasma propinqua*
CR²⁴ A1c
USA
- Epioblasma sampsonii*
CR²⁴ A1c
USA
- Epioblasma stewardsonii*
CR²⁴ A1c
USA
- Epioblasma turgidula*
CR²⁴ A1c
USA
- Fusconaia cor*
Shiny Pigtoe
CR²⁴ A1c+2c
USA
- Fusconaia cuneolus*
Fine-rayed Pigtoe
CR²⁴ A1c+2c
USA
- Fusconaia escambia*
Narrow Pigtoe
EN²⁴ A1c
USA
- Fusconaia masoni*
Atlantic Pigtoe
EN²⁴ A1c
USA
- Hemistena lata*
Cracking Pearlymussel
CR²⁴ A1c
USA
- Lampsilis abrupta*
Pink Mucket
EN²⁴ A1ce
USA
- Lampsilis altilis*
Fine-lined Pocketbook
EN²⁴ A1ce
USA
- Lampsilis binominata*
Lined Pocketbook
CR²⁴ A1c
USA
- Lampsilis cariosa*
Yellow Lampmussel
EN²⁴ A1c
USA
- Lampsilis dolabraeformis*
VU²⁴ B1+2bed
USA
- Lampsilis higginsii*
Higgin's Eye
EN²⁴ A1c+2ce
USA
- Lampsilis powellii*
Arkansas Fatmucket
EN²⁴ A1c
USA
- Lampsilis rafinesqueana*
Neosho Mucket
EN²⁴ A1ce
USA
- Lampsilis streckeri*
Speckled Pocketbook
CR²⁴ A1c
USA
- Lampsilis virescens*
Alabama Lampmussel
CR²⁴ A1c+2ce
USA
- Lasmigona decorata*
Carolina Heelsplitter
CR²⁴ A1c
USA
- Lemiox rimosus*
Birdwing Pearlymussel
CR²⁴ A1ce
USA
- Lexingtonia subplana*
CR²⁴ A1c
USA
- Medionidus acutissimus*
Alabama Moccasinshell
EN²⁴ A1c+2ce
USA
- Medionidus mcglameriae*
CR²⁴ A1ce
USA
- Medionidus parvulus*
Coosa Moccasinshell
CR²⁴ A1c+2ce
USA
- Medionidus penicillatus*
CR²⁴ A1c+2ce
USA
- Medionidus simpsonianus*
CR²⁴ A1ce
USA
- Medionidus walkeri*
EN²⁴ A1ce
USA
- Obovaria retusa*
Ring Pink
CR²⁴ A1c+2ce
USA
- Pegias fabula*
Littlewing Pearlymussel
CR²⁴ A1c+2ce
USA
- Plethobasus cicatricosus*
White Wartyback
CR²⁴ A1c+2ce
USA
- Plethobasus cooperianus*
Orangefoot Pimpleback
CR²⁴ A1c+2ce
USA
- Pleurobema altum*
CR²⁴ A1c
USA
- Pleurobema avellanum*
CR²⁴ A1c
USA
- Pleurobema bournianum*
CR²⁴ A1c+2ce
USA
- Pleurobema chattanoogaense*
CR²⁴ A1c+2ce
USA
- Pleurobema clava*
Clubshell
CR²⁴ A1ce
USA
- Pleurobema collina*
James River Spiny mussel
CR²⁴ A1ce
USA
- Pleurobema curtum*
Black Clubshell
CR²⁴ A1c
USA
- Pleurobema flavidulum*
CR²⁴ A1c
USA
- Pleurobema furvum*
Dark Pigtoe
CR²⁴ A1c+2ce
USA
- Pleurobema georgianum*
Southern Pigtoe
CR²⁴ A1c+2ce
USA
- Pleurobema gibberum*
Cumberland Pigtoe
CR²⁴ A1c+2ce, B1+2c
USA
- Pleurobema hagleri*
CR²⁴ A1c
USA
- Pleurobema hanleyianum*
CR²⁴ A1c
USA
- Pleurobema johannis*
CR²⁴ A1c
USA

Pleurobema marshalli
Flat Pigtoe

CR²⁴ A1ce+2ce
USA

Pleurobema murrayense

CR²⁴ A1c
USA

Pleurobema nucleopsis

CR²⁴ A1c
USA

Pleurobema oviforme

Tennessee Clubshell
VU²⁴ B1+2c
USA

Pleurobema perovatum

Ovate Clubshell
CR²⁴ A1c
USA

Pleurobema plenum

Rough Pigtoe
CR²⁴ A1ce
USA

Pleurobema rubellum

Warrior Pigtoe
CR²⁴ A1c
USA

Pleurobema strodeanum

VU²⁵ A1c+2c
USA

Pleurobema taitianum

Heavy Pigtoe
CR²⁴ A1c
USA

Pleurobema troschelium

CR²⁴ A1c
USA

Pleurobema verum

True Pigtoe
CR²⁴ A1c
USA

Popenaias popeii

CR²⁴ A1c
USA

Potamilus amphichaenus

Texas Heelsplitter
EN²⁴ B1+2c
USA

Potamilus capax

Fat Pocketbook
CR²⁴ A1c
USA

Potamilus inflatus

Alabama Heelsplitter
EN²⁴ A1c, B1+2c
USA

Ptychobranchus greenii

Triangular Kidneyshell
CR²⁴ A1c
USA

Ptychobranchus jonesi

Southern Kidneyshell
CR²⁴ A1c
USA

Quadrula couchiana

CR²⁴ A1c
USA

Quadrula fragosa

Winged Mapleleaf
CR²⁵ A1c
USA

Quadrula sparsa

Appalachian Monkeyface
CR²⁴ A1c
USA

Quadrula stapes

Stirrupshell
CR²⁴ A1c
USA

Quadrula tuberosa

CR²⁴ A1c
USA

Quincuncina mitchelli

False Spike
CR²⁴ A1c
USA

Toxolasma cylindrellus

CR²⁴ A1c
USA

Order VENEROIDA

Family TRIDACNIDAE

Tridacna deras

Southern Giant Clam
VU¹⁸¹ A2cd
Australia, Fiji, French Polynesia?,
Guam, Indonesia, New Caledonia,
Northern Marianas, Palau, Papua
New Guinea, Philippines, Solomon
Islands, Tonga, Vanuatu

Tridacna gigas

Giant Clam
VU¹⁸¹ A2cd
Australia, Federated States of
Micronesia, Fiji (ex?), Guam (ex?),
Indonesia, Japan (Nansei-shoto
(ex?)), Kiribati, Malaysia, Marshall
Islands, Myanmar, New Caledonia
(ex?), Northern Marianas (ex?),
Palau, Papua New Guinea,
Philippines, Solomon Islands,
Taiwan (ex?), Thailand, Tuvalu,
USA [int] (Hawaiian Is [int]),
Vanuatu (ex?)

Tridacna rosewateri

VU¹⁸¹ A2cd
Mauritius

Tridacna tevoroa

Tevoro Clam
VU¹⁸¹ B1+2c
Fiji, Tonga

Class GASTROPODA

Order

ARCHAEOGASTROPODA

Family HELICINIDAE

Helicina rostrata

EN¹³³ B1+2c
Guatemala, Nicaragua

Ogasawarana chichijimana

CR¹¹⁵ A2ce
Japan (Ogasawara-gunto)

Ogasawarana habei

CR¹¹⁵ A2ce
Japan (Ogasawara-gunto)

Ogasawarana metamorpha

CR¹¹⁵ A2ce
Japan (Ogasawara-gunto)

Ogasawarana rex

CR¹¹⁵ A2ce
Japan (Ogasawara-gunto)

Ogasawarana yoshiwarana

CR¹¹⁵ A2ce
Japan (Ogasawara-gunto)

Family HYDROCENIDAE

Georissa laseroni

VU¹¹⁵ B1+2c, D2
Australia

Monterissa gowerensis

VU¹⁴¹ D2
Australia

Family NERITIDAE

Neritina tiassalensis

CR³³ B1+2c
Côte d'Ivoire

Family TURBINIIDAE

Astraea heliotropium

CR¹⁶⁶ A2e
New Zealand

Order BASOMMATOPHORA

Family ACROLOXIDAE

Acroloxus coloradensis

Rocky Mountain Capshell
VU²⁴ B1+2c
USA



Family ANCYLIDAE

*Ancylus ashangiensis*EN³³ B1+2c

Ethiopia

[L. Ashangi]

Ferrissia mcneili

Hood Ancyliid

VU²⁴ A1ce+2c

USA

Rhodacme elatior

Domed Ancyliid

VU²⁴ A1ce+2e

USA

Rhodacme filosa

Wicker Ancyliid

VU²⁴ A1ce

USA

Family CARYCHIIDAE

*Zospeum biscaiense*VU¹¹⁵ D2

Spain

Family GLACIDORBIDAE

*Glacidorbis occidentalis*VU¹³⁹ D2

Australia

Family LYMNAEIDAE

*Lantzia carinata*CR³⁴ B1+2c

Réunion

*Stagnicola bonnevillensis*VU²⁴ A1ce+2e

USA

Stagnicola utahensis

Thickshell Pondsnailed

CR¹¹⁵ A1ce+2e

USA

Family PHYSIDAE

Physella microstriata

Fish Lake Physa

VU²⁴ A1ce

USA

Physella spelunca

Cave Physa

VU²⁴ A1ce

USA

Physella utahensis

Utah Physa

VU²⁴ A1ce+2e

USA

Physella zionis

Wet Rock Physa

VU²⁴ A1ce

USA

Family PLANORBIDAE

*Afrogyrus rodriguezensis*EN³³ B1+2abcd

Mauritius (Rodrigues)

*Afrogyrus starmuehlneri*EN³³ B1+2abcd

Madagascar

Amphigyra alabamensis

Shoal Sprite

CR²⁴ A1ce+2e

USA

Ancylastrum cumingianus

Australian Freshwater Limpet

CR¹¹⁵ A1e

Australia

*Biomphalaria barthi*CR³³ B1+2c

Ethiopia

*Biomphalaria tchadiensis*VU³³ B2c+B3b

Chad

[L. Chad]

*Bulinus camerunensis*VU³³ B1+2abcd

Cameroon

*Bulinus nyassanus*VU³³ B1+2c

Malawi

[L. Malawi]

*Bulinus succinoides*EN³³ B1+2c

Malawi

[L. Malawi]

*Bulinus transversalis*VU³³ B1+2c

Kenya, Uganda

[L. Victoria]

*Ceratophallus socotrens*CR³³ B1+2c

Yemen (Socotra)

*Glyptophysa petiti*EN²⁶ A1ce

New Caledonia

*Gyraulus cockburni*CR³³ B1+2c

Yemen (Socotra)

*Gyraulus mauritianus*VU³³ D2

Mauritius

*Neoplanorbis carinatus*CR²⁴ A1ce+2e

USA

*Neoplanorbis smithi*CR²⁴ A1ce+2e

USA

*Neoplanorbis tantillus*CR²⁴ A1ce+2e

USA

*Neoplanorbis umbilicatus*CR²⁴ A1ce+2e

USA

Planorbella magnifica

Magnificent Ramshorn

VU²⁴ A1ce

USA

Planorbella multivolvis

Acorn Ramshorn

VU²⁴ A1ce

USA

Family SIPHONARIIDAE

*Siphonaria compressa*CR¹⁰⁰ B1+2c

South Africa

Order MESOGASTROPODA

Family ACICULIDAE

*Acicula norrisi*VU¹¹⁵ D2

Gibraltar

*Acicula palaestinensis*VU⁸⁷ D2

Israel

*Platyla foliniana*VU²⁹ D2

France

*Platyla lusitanica*VU¹¹⁵ D2

Portugal

*Renea bourguignatiana*VU²⁹ D2

France, Italy

*Renea gormonti*VU²⁹ D2

France

*Renea moutoni*VU²⁹ D2

France

*Renea pailonna*VU²⁹ D2

France

*Renea singularis*VU²⁹ D2

France

Family AMPULLARIDAE

*Lanistes alexandri*EN³³ B1+2abcd

Tanzania

[R. Wami]

*Lanistes bicarinatus*VU³³ D2

Zaire

- [R. Zaire]
Lanistes farleri
 EN³³ B1+2abcd
 Tanzania
- Lanistes intortus***
 VU³³ D2
 Zaire
 [R. Zaire]
- Lanistes nasutus***
 EN³³ B1+2c
 Malawi, Mozambique
 [L. Malawi]
- Lanistes neavei***
 VU³³ B2c+B3bc
 Zaire, Zambia
- Lanistes neritoides***
 CR³³ B1+2c
 Congo
- Lanistes nyssanus***
 EN³³ B1+2c
 Malawi, Mozambique
 [L. Malawi]
- Lanistes solidus***
 EN³³ B1+2c
 Malawi, Mozambique
 [L. Malawi]
- Lanistes stuhlmanni***
 EN³³ B1+2abcd
 Tanzania
- Pila speciosa***
 VU³³ B1+2bc
 Ethiopia, Kenya, Somalia
- Family ASSIMINEIDAE
- Austroassiminea lethae***
 VU¹³⁸ D2
 Australia
- Omphalotropis hieroglyphica***
 EN⁷⁸ B1+2ab
 Mauritius
- Family CYCLOPHORIDAE
- Adelopoma stollii***
 EN¹³³ B1+2c
 Guatemala, Nicaragua
- Ditropis whitei***
 VU¹⁴¹ B1+2c, D2
 Australia
- Family HYDROBIIDAE
- Alzoniella hartwigschuetzi***
 VU⁷⁹ B1+2c
 Austria
- Angrobia anodonta***
 VU¹³⁸ D2
 Australia
- Angrobia dyeriana***
 VU¹¹⁵ D2
 Australia
- Angrobia grampianensis***
 CR¹¹⁵ B1+2c
 Australia
- Angrobia petterdi***
 VU¹³⁸ D2
 Australia
- Antrobia culveri***
 Tumbling Creek Cavesnail
 EN¹¹⁵ B1+2bc
 USA
- Antrorbis breweri***
 VU¹¹⁵ B1+2c
 USA
- Aphaostracon asthenes***
 Blue Spring Hydrobe
 VU²⁴ D2
 USA
- Aphaostracon monas***
 Wekiwa Hydrobe
 VU²⁴ D2
 USA
- Aphaostracon pycnum***
 Dense Hydrobe
 VU²⁴ D2
 USA
- Aphaostracon xynoelictum***
 Fenney Spring Hydrobe
 VU²⁴ D2
 USA
- Arganiella exilis***
 VU²⁶ D2
 France
- Assiminea infirma***
 Badwater Snail
 VU¹¹⁵ B1+2c
 USA
- Assiminea pecos***
 Pecos Assiminea
 EN¹¹⁵ B1+2c
 USA
- Beddomeia angulata***
 VU¹³⁸ D2
 Australia
- Beddomeia aaverni***
 VU¹³⁸ D2
 Australia
- Beddomeia bellii***
 VU¹³⁸ D2
 Australia
- Beddomeia bowryensis***
 VU¹³⁸ D2
 Australia
- Beddomeia briansmithi***
 VU¹³⁸ D2
 Australia
- Beddomeia camensis***
 VU¹³⁸ D2
 Australia
- Beddomeia capensis***
 EN¹³⁸ A1c
 Australia
- Beddomeia fallax***
 EN¹³⁸ A1c
 Australia
- Beddomeia forthensis***
 VU¹³⁸ D2
 Australia
- Beddomeia franklandensis***
 VU¹³⁸ D2
 Australia
- Beddomeia fromensis***
 VU¹³⁸ D2
 Australia
- Beddomeia fultoni***
 VU¹³⁸ D2
 Australia
- Beddomeia gibba***
 VU¹³⁸ D2
 Australia
- Beddomeia hallae***
 VU¹³⁸ D2
 Australia
- Beddomeia hullii***
 VU¹³⁸ D2
 Australia
- Beddomeia inflata***
 VU¹³⁸ D2
 Australia
- Beddomeia kershawi***
 VU¹³⁸ D2
 Australia
- Beddomeia kessneri***
 VU¹³⁸ D2
 Australia
- Beddomeia krybetes***
 VU¹³⁸ D2
 Australia
- Beddomeia launcestonensis***
 VU¹³⁸ D2
 Australia
- Beddomeia lodderae***
 VU¹³⁸ D2
 Australia
- Beddomeia mesibovi***
 VU¹³⁸ D2
 Australia
- Beddomeia minima***
 EN¹³⁸ A1c
 Australia
- Beddomeia petterdi***
 VU¹³⁸ D2
 Australia
- Beddomeia phasianella***
 VU¹³⁸ D2
 Australia



- Beddomeia protuberata*
VU¹³⁸ D2
Australia
- Beddomeia ronaldi*
VU¹³⁸ D2
Australia
- Beddomeia salmonis*
VU¹³⁸ D2
Australia
- Beddomeia tasmanica*
VU¹³⁸ D2
Australia
- Beddomeia topsiae*
VU¹³⁸ D2
Australia
- Beddomeia trochiformis*
VU¹³⁸ D2
Australia
- Beddomeia turnerae*
VU¹³⁸ D2
Australia
- Beddomeia waterhouseae*
VU¹³⁸ D2
Australia
- Beddomeia wilmotensis*
VU¹³⁸ D2
Australia
- Beddomeia wiseae*
VU¹³⁸ D2
Australia
- Beddomeia zeehanensis*
VU¹³⁸ D2
Australia
- Belgrandiella alticola*
VU¹⁶⁷ D2
Slovakia
- Belgrandiella austriana*
CR⁷⁹ B1+2c
Austria
- Belgrandiella bojnicensis*
VU¹⁶⁷ D2
Slovakia
- Belgrandiella fuchsi*
VU⁷⁹ D2
Austria
- Belgrandiella ganslmayri*
CR⁷⁹ B1+2c
Austria
- Belgrandiella mimula*
CR⁷⁹ B1+2c
Austria
- Belgrandiella parreyssi*
CR¹¹⁵ B1+2b
Austria
- Belgrandiella pelerei*
CR⁷⁹ B1+2c
Austria
- Belgrandiella pyrenaica*
VU²⁶ D2
France
- Belgrandiella slovenica*
VU¹⁶⁷ D2
Slovakia
- Belgrandiella styriaca*
CR¹¹⁵ B1+2b
Austria
- Belgrandiella wawrai*
CR⁷⁹ B1+2c, C2a
Austria
- Bythinella badensis*
VU¹¹⁵ B1+2c
Germany
- Bythinella bavaria*
VU¹¹⁵ B1+2c
Germany
- Bythinella bicarinata*
CR²⁶ A1ce
France
- Bythinella compressa*
VU¹¹⁵ B1+2c
Germany
- Bythinella cylindrica*
VU⁷⁹ B1+2c
Austria
- Bythinella dunkeri*
VU¹¹⁵ B1+2c
Belgium, Germany
- Bythinella padiraci*
VU²⁶ D2
France
- Bythinella viridis*
VU²⁶ D2
Belgium, France
- Bythiospeum acicula*
VU¹¹⁵ B1+2c
Germany
- Bythiospeum articense*
VU²⁶ D2
France
- Bythiospeum cisterciensorum*
CR⁷⁹ B1+2c
Austria
- Bythiospeum garnieri*
VU²⁶ D2
France
- Bythiospeum geyeri*
EN¹¹⁵ B1+2c
Austria
- Bythiospeum noricum*
EN¹¹⁵ B1+2c
Austria
- Bythiospeum pfeifferi*
EN¹¹⁵ B1+2c
Austria
- Bythiospeum quenstedti*
VU¹¹⁵ B1+2c
Germany
- Bythiospeum reisalpense*
EN⁷⁹ B1+2c
Austria
- Bythiospeum sandbergeri*
VU¹¹⁵ B1+2c
Germany
- Bythiospeum tschapecki*
EN⁷⁹ B1+2c
Austria
- Cincinnatia helicogyra*
Crystal Siltsnail
VU¹¹⁵ B1+2c
USA
- Cincinnatia mica*
Ichetucknee Siltsnail
VU¹¹⁵ B1+2c
USA
- Cincinnatia monroensis*
Enterprise Siltsnail
VU¹¹⁵ B1+2c
USA
- Cincinnatia parva*
Pygmy Siltsnail
VU¹¹⁵ B1+2c
USA
- Cincinnatia ponderosa*
Ponderous Siltsnail
VU¹¹⁵ B1+2c
USA
- Cincinnatia vanhyningi*
Seminole Siltsnail
VU¹¹⁵ B1+2c
USA
- Cincinnatia wekiwae*
Wekiwa Siltsnail
VU¹¹⁵ B1+2c
USA
- Clappia cahabensis*
Cahaba Pebblesnail
CR¹¹⁵ A1ce+2e
USA
- Coahuilix hubbsi*
Coahuilix de Hubbs Snail
CR¹⁵⁴ A2ce
Mexico
- Cochliopa texana*
Phantom Cavesnail
VU¹¹⁵ B1+2c
USA
- Cochliopina milleri*
Miller's Snail
VU¹⁵⁴ D2
Mexico

- Durangonella coahuilae*
Durangonella de Coahuila Snail
VU¹¹⁵ D2
Mexico
- Fissuria bovi*
VU²⁶ D2
France
- Fonscochlea accepta*
VU¹³⁸ D2
Australia
- Fonscochlea aquatica*
VU¹³⁸ D2
Australia
- Fonscochlea billakalina*
EN¹³⁸ A1ce
Australia
- Fonscochlea conica*
VU¹¹⁵ D2
Australia
- Fontigens turritella*
Greenbrier Cavesnail
VU²⁴ D2
USA
- Graziana klazenfurtensis*
EN⁷⁹ B1+2c
Austria
- Hauffenia kerschneri*
EN⁷⁹ B1+2c
Austria
- Hauffenia wienerwaldensis*
EN⁷⁹ B1+2c
Austria
- Hemistoma beaumonti*
EN¹³⁸ A1ce
Australia
- Hemistoma flexicolumella*
VU¹³⁸ D2
Australia
- Hemistoma minutissima*
VU¹³⁸ D2
Australia
- Hemistoma pusillior*
EN¹³⁸ A1ce
Australia
- Hemistoma whiteleggei*
CR¹³⁸ A1ce
Australia
- Heterocyclus perroquini*
EN²⁶ A2e
New Caledonia
- Heterocyclus petiti*
EN²⁶ A2e
New Caledonia
- Hydrobia scamandri*
VU²⁶ D2
France
- Iglica kleinzellensis*
EN⁷⁹ B1+2c
Austria
- Jardinella acuminata*
EN¹³⁸ A1ce
Australia
- Jardinella carnarvonensis*
VU¹³⁸ D2
Australia
- Jardinella colmani*
CR¹³⁸ A1ce
Australia
- Jardinella coreena*
VU¹³⁸ D2
Australia
- Jardinella corrugata*
VU¹³⁸ D2
Australia
- Jardinella edgbastonensis*
VU¹³⁸ D2
Australia
- Jardinella eulo*
VU¹³⁸ D2
Australia
- Jardinella exigua*
VU¹³⁸ D2
Australia
- Jardinella isolata*
VU¹³⁸ D2
Australia
- Jardinella jesswiseae*
EN¹³⁸ A1ce
Australia
- Jardinella pallida*
EN¹³⁸ A1ce
Australia
- Jardinella zeidlerorum*
VU¹³⁸ D2
Australia
- Lepyrium showalteri*
Flat Pebblesnail
VU²⁴ D2
USA
- Litthabittella elliptica*
VU²⁶ D2
France
- Lobaunia danubialis*
EN⁷⁹ B1+2c
Austria
- Moitessieria corsica*
VU²⁶ D2
France (Corsica)
- Moitessieria juvenisanguis*
VU²⁶ D2
France
- Moitessieria locardi*
VU²⁶ D2
France
- Nanocochlea monticola*
VU¹³⁸ D2
Australia
- Nanocochlea pupoidea*
VU¹³⁸ D2
Australia
- Palacanthilhiopsis vervierii*
VU²⁶ D2
France
- Paladilhia pleurotoma*
VU²⁶ D2
France
- Paladilhiopsis bourguignati*
VU²⁶ D2
France
- Paludiscala caramba*
Paludiscala de Oro Snail
VU¹¹⁵ D2
Mexico
- Phrantela annamurrayae*
VU¹¹⁵ D2
Australia
- Phrantela conica*
VU¹¹⁵ D2
Australia
- Phrantela kutikina*
VU¹¹⁵ D2
Australia
- Phrantela pupiformis*
VU¹¹⁵ D2
Australia
- Phrantela umbilicata*
VU¹¹⁵ D2
Australia
- Phreatodrobia imitata*
Mimic Cavesnail
VU²⁴ D2
USA
- Plagigeyeria conilis*
VU²⁶ D2
France
- Pseudamnicola anteisensis*
VU²⁶ D2
France
- Pseudamnicola klemmi*
VU²⁶ D2
France
- Sadleriana pannonica*
VU¹⁶⁷ D2
Hungary, Slovakia
- Stiobia nana*
Sculpin Snail
VU²⁴ D2
USA

***Trachidrobia inflata***

EN¹³⁸ A1ce
Australia

Trachidrobia minuta

VU¹³⁸ D2
Australia

Trachidrobia smithi

VU¹³⁸ D2
Australia

Victadrobia burni

VU¹³⁸ D2
Australia

Victadrobia elongata

VU¹³⁸ D2
Australia

Victadrobia millerae

VU¹³⁸ D2
Australia

Family NEOCYCLOTIDAE

Amphicyclotulus liratus

VU²⁶ D2
Martinique

Amphicyclotulus perplexus

VU²⁶ D2
Guadeloupe

Family PLEUROCERIDAE

Elimia acuta

VU²⁴ A1ce
USA

Elimia alabamensis

Mud Elimia
VU²⁴ A1ce
USA

Elimia albanyensis

Black-crest Elimia
VU²⁴ A1ce
USA

Elimia ampla

Round Rocksnail
CR²⁴ A1ce+2e
USA

Elimia annettae

Lily Shoals Elimia
CR²⁴ A1ce+2e
USA

Elimia aterina

VU²⁴ A1ce
USA

Elimia bellula

Walnut Elimia
VU²⁴ A1ce
USA

Elimia baykiniana

Flaxen Elimia
VU²⁴ A1ce
USA

Elimia brevis

Short-spined Elimia
CR²⁴ A1ce+2e
USA

Elimia capillaris

Spindle Elimia
VU²⁴ A1ce
USA

Elimia clausa

Closed Elimia
CR²⁴ A1ce+2e
USA

Elimia crenatella

Lacy Elimia
VU²⁴ A1ce
USA

Elimia fascinans

Banded Elimia
VU²⁴ A1ce
USA

Elimia fusiformis

Fusiform Elimia
CR²⁴ A1ce+2e
USA

Elimia haysiana

Silt Elimia
VU²⁴ A1ce
USA

Elimia hydei

Gladiator Elimia
VU²⁴ A1ce
USA

Elimia impressa

Constricted Elimia
CR²⁴ A1ce+2e
USA

Elimia interrupta

Knotty Elimia
VU²⁴ A1ce
USA

Elimia interveniens

Slowwater Elimia
VU²⁴ A1ce
USA

Elimia janesi

Hearty Elimia
CR²⁴ A1ce+2e
USA

Elimia laeta

Ribbed Elimia
CR²⁴ A1ce+2e
USA

Elimia nassula

Round-rib Elimia
VU²⁴ A1ce
USA

Elimia olivula

Caper Elimia
VU²⁴ A1ce
USA

Elimia pilsbryi

Rough-lined Elimia
CR²⁴ A1ce+2e
USA

Elimia porrecta

VU²⁴ A1ce
USA

Elimia pupaeformis

Pupa Elimia
CR²⁴ A1ce+2e
USA

Elimia pybasi

VU²⁴ A1ce
USA

Elimia pygmaea

Pygmy Elimia
CR²⁴ A1ce+2e
USA

Elimia strigosa

VU²⁴ A1ce
USA

Elimia teres

VU²⁴ A1ce
USA

Elimia troostiana

VU²⁴ A1ce
USA

Elimia vanuxemiana

Cobble Elimia
CR²⁴ A1ce+2e
USA

Elimia varians

Puzzle Elimia
CR²⁴ A1ce+2e
USA

Gyrotoma excisa

Excised Slitshell
CR²⁴ A1ce+2e
USA

Gyrotoma lewisii

Striate Slitshell
CR²⁴ A1ce+2e
USA

Gyrotoma pagoda

Pagoda Slitshell
CR²⁴ A1ce+2e
USA

Gyrotoma pumila

Ribbed Slitshell
CR²⁴ A1ce+2e
USA

- Gyrotoma pyramidata*
Pyramid Slitshell
CR²⁴ A1ce+2e
USA
- Gyrotoma walkeri*
Round Slitshell
CR²⁴ A1ce+2e
USA
- Io fluviialis*
Spiny River Snail
EN²⁵ B1+2c
USA
- Leptoxis ampla*
VU²⁴ A1ce
USA
- Leptoxis clipeata*
Agate Rocksnail
CR²⁴ A1ce+2e
USA
- Leptoxis compacta*
Oblong Rocksnail
CR²⁴ A1ce+2e
USA
- Leptoxis crassa*
Boulder Snail
VU²⁴ D2
USA
- Leptoxis formanii*
CR²⁴ A1ce+2e
USA
- Leptoxis formosa*
Maiden Rocksnail
CR²⁴ A1ce+2e
USA
- Leptoxis ligata*
Rotund Rocksnail
CR²⁴ A1ce+2e
USA
- Leptoxis lirata*
Lyrate Rocksnail
CR²⁴ A1ce+2e
USA
- Leptoxis melanoidus*
Black Mudalia
CR²⁴ A1ce+2e
USA
- Leptoxis minor*
Knob Mudalia
VU²⁴ A1ce+2e
USA
- Leptoxis occultata*
Bigmouth Rocksnail
CR²⁴ A1ce+2e
USA
- Leptoxis picta*
Spotted Rocksnail
VU²⁴ A1ce
USA
- Leptoxis plicata*
Plicate Rocksnail
VU²⁴ A1ce
USA
- Leptoxis praerosa*
Onyx Rocksnail
VU²⁴ A2ce, B1+2c
USA
- Leptoxis showalterii*
CR²⁴ A1ce+2e
USA
- Leptoxis taeniata*
Painted Rocksnail
VU²⁴ A1ce
USA
- Leptoxis torrefacta*
CR²⁴ A1ce+2e
USA
- Leptoxis virgata*
Smooth Rocksnail
VU²⁴ A1ce+2c
USA
- Leptoxis vittata*
Striped Rocksnail
CR²⁴ A1ce+2e
USA
- Lithasia armigera*
Armored Rocksnail
VU²⁴ A1ce
USA
- Lithasia curta*
Knobby Rocksnail
VU²⁴ A1ce
USA
- Lithasia duttoniana*
Helmet Rocksnail
VU²⁴ A1ce
USA
- Lithasia geniculata*
Ornate Rocksnail
VU²⁴ A1ce
USA
- Lithasia jayana*
Rugose Rocksnail
VU²⁴ A1ce
USA
- Lithasia lima*
Warty Rocksnail
VU²⁴ A1ce
USA
- Lithasia salebrosa*
Muddy Rocksnail
VU²⁴ A1ce
USA
- Lithasia verrucosa*
Varicose Rocksnail
VU²⁴ A1ce
USA
- Pleurocera alveare*
Rugged Hornsnail
VU²⁴ A1ce
USA
- Pleurocera annulifera*
Ringed Hornsnail
VU²⁴ A1ce+2e
USA
- Pleurocera brumbyi*
Spiral Hornsnail
VU²⁴ A1ce+2c
USA
- Pleurocera corpulenta*
Corpulent Hornsnail
VU²⁴ A1ce
USA
- Pleurocera curta*
Shortspire Hornsnail
VU²⁴ A1ce
USA
- Pleurocera foremani*
Rough Hornsnail
VU²⁴ A1ce
USA
- Pleurocera postelli*
VU²⁴ A1ce
USA
- Pleurocera pyrenella*
Skirted Hornsnail
VU²⁴ A1ce
USA
- Pleurocera showalteri*
Upland Hornsnail
VU²⁴ A1ce+2e
USA
- Pleurocera walkeri*
Telescope Hornsnail
VU²⁴ A1ce+2e
USA
- Family **POMATIASIDAE**
- Tropidophora articulata*
EN¹¹⁵ B1+2c
Mauritius (Rodrigues)
- Tropidophora deburghiae*
EN¹¹⁵ B1+2c
Madagascar
- Family **POMATIOPSIDAE**
- Fenouilia kreitneri*
CR⁵⁶ A2ce
China
[L. Dali]
- Tomicha natalensis*
CR³³ B1+2abcd
South Africa
- Tomicha rogersi*
EN³³ B1+2abcd
South Africa

***Tricula montana***

EN ⁵⁶ B1+2ce
India

Family PUPINIDAE

Hedleya macleayi

VU ¹⁴¹ D2
Australia

Suavocallia splendens

VU ¹⁴¹ D2
Australia

Family THIARIDAE

Anceya giraudi

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Anceya terebriformis

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Bathanalia howesi

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Bathanalia straeleni

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Bridouxiana giraudi

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Bridouxiana leucoraphe

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Bridouxiana ponsonbyi

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Bridouxiana praeclara

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Bridouxiana rotundata

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Bridouxiana smithiana

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Chytra kirki

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Hirthis globosa

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Hirthis littorina

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Lavigera grandis

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Lavigera nassa

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Limnotrochus thomsoni

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Martelia tanganyicensis

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Mysorelloides multisulcata

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Paludomus ajanensis

EN ³³ B1+2abcd
Seychelles

Paramelania damoni

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Paramelania irridescent

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Reymondia horei

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Reymondia pyramidalis

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Reymondia tanganyicensis

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Spekia zonata

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Stanleya neritinoidea

EN ³³ B1+2c
Tanzania, Zaire

[L. Tanganyika]

Stormsia minima

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Syrnolopsis gracilis

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Syrnolopsis lacustris

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Syrnolopsis minuta

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Tanganyicia rufifilosa

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Tiphobia horei

EN ³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Family VALVATIDAE

Valvata virens

VU ²⁴ Alce
USA

Family VIVIPARIDAE

Bellamyia constricta

EN ³³ B1+2abcd
Kenya, Tanzania, Uganda
[L. Victoria]

Bellamyia contracta

EN ³³ B1+2c
Zaire

Bellamyia costulata

EN ³³ B1+2abcd
Kenya, Tanzania, Uganda
[L. Victoria]

Bellamyia crawshayi

EN ³³ B1+2abcd
Zaire, Zambia
[L. Mweru]

Bellamyia ecclesi

EN ³² B1+2abcd
Malawi, Mozambique
[L. Malawi]

Bellamyia jeffreysi

EN ³² B1+2abcd
Malawi, Mozambique
[L. Malawi]

Bellamyia jucunda

EN ³³ B1+2abcd
Kenya, Tanzania, Uganda
[L. Victoria]

Bellamyia leopoldvillensis

EN³³ B1+2abcd
Zaire

Bellamyia liberiana

CR³³ B1+2c
Liberia

Bellamyia monardi

EN³³ B1+2abcd
Angola, Namibia

Bellamyia mweruensis

EN³³ B1+2abcd
Zaire, Zambia
[L. Mweru]

Bellamyia pagodiformis

EN³³ B1+2abcd
Zaire, Zambia
[L. Mweru]

Bellamyia phthinotropis

EN³³ B1+2abcd
Kenya, Tanzania, Uganda
[L. Victoria]

Bellamyia robertsoni

EN³³ B1+2abcd
Malawi, Mozambique
[L. Malawi]

Bellamyia rubicunda

EN³³ B1+2abcd
Uganda, Zaire
[L. Albert]

Bellamyia trochearis

EN³³ B1+2abcd
Kenya, Tanzania, Uganda
[L. Victoria]

Campeloma decampi

VU²⁴ A1ce+2e
USA

Lioplax cyclostomaformis

Cylindrical Lioplax
VU²⁴ B1+2c
USA

Neothauma tanganyicense

EN³³ B1+2c
Tanzania, Zaire
[L. Tanganyika]

Notopala sublineata

EN¹³⁸ A1ce
Australia

Order NEOGASTROPODA

Family CONIDAE

Conus africanus

VU²⁶ D2
Angola

Conus cepasi

VU²⁶ D2
Angola

Conus nobrei

VU²⁶ D2
Angola

Conus zebroides

VU²⁶ D2
Angola

Order STYLOMMATOPHORA

Family ACAVIDAE

Ampelita julii

EN⁶³ B1+2abc
Madagascar

Ampelita soulaiana

VU⁶³ D2
Madagascar

Ampelita fulgurata

EN⁶³ B1+2abc
Madagascar

Clavator moreleti

VU⁶³ B1+2c
Madagascar

Family ACHATINELLIDAE

Achatinella apexfulva

CR⁸¹ A1e
USA (Hawaiian Is)

Achatinella bellula

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella bulimoides

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella byronii

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella cestus

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella concavospira

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella curta

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella decipiens

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella fulgens

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella fuscobasis

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella leucorrhaphe

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella lila

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella lorata

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella mustelina

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella phaeoazona

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella pulcherrima

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella pupukanieo

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella sowerbyana

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella stewartii

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella swiftii

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella taeniolata

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella turgida

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella viridans

CR⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)

Achatinella vulpina

CR⁸¹ A1ce, B1+2abcd
USA (Hawaiian Is)

Elasmias kitaiwojimanum

VU¹⁷⁵ D1
Japan (Ogasawara-gunto)

Gulickia alexandri

CR⁵³ B1+2abc
USA (Hawaiian Is)

Lamellidea biplicata

VU¹⁷⁵ D1
Japan (Ogasawara-gunto)

Lamellidea ogasawarana

VU¹⁷⁵ C1
Japan (Ogasawara-gunto)

Newcombia canaliculata

EN¹¹⁵ A1c
USA (Hawaiian Is)

Newcombia cumingi

EN¹¹⁵ A1c
USA (Hawaiian Is)



- Newcombia lirata*
EN ¹¹⁵ A1c
USA (Hawaiian Is)
- Newcombia perkinsi*
EN ¹¹⁵ A1c
USA (Hawaiian Is)
- Newcombia pfeifferi*
EN ¹¹⁵ A1c
USA (Hawaiian Is)
- Newcombia sulcata*
EN ¹¹⁵ A1c
USA (Hawaiian Is)
- Partulina confusa*
CR ⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)
- Partulina dubia*
CR ⁸¹ A1ce, B1+2abcde
USA (Hawaiian Is)
- Partulina mighelsiana*
EN ⁸¹ A1ce, B1+2abcde, C1+2a
USA (Hawaiian Is)
- Partulina perdir*
EN ⁸¹ A1ce, B1+2abcde, C1+2a
USA (Hawaiian Is)
- Partulina physa*
EN ⁸¹ A1ce, B1+2abcde, C1+2a
USA (Hawaiian Is)
- Partulina proxima*
EN ⁸¹ A1ce, B1+2abcde, C1+2a
USA (Hawaiian Is)
- Partulina redfieldi*
EN ⁸¹ A1ce, B1+2abcde, C1+2a
USA (Hawaiian Is)
- Partulina semicarinata*
EN ⁸¹ A1ce, B1+2abcde, C1+2a
USA (Hawaiian Is)
- Partulina splendida*
Splendid Partulina
EN ⁸¹ A1ce, B1+2abcde, C1+2a
USA (Hawaiian Is)
- Partulina tapaniana*
EN ⁸¹ A1ce, B1+2abcde, C1+2a
USA (Hawaiian Is)
- Partulina tessellata*
EN ⁸¹ A1ce, B1+2abcde, C1+2a
USA (Hawaiian Is)
- Partulina variabilis*
EN ⁸¹ A1ce, B1+2abcde, C1+2a
USA (Hawaiian Is)
- Pardicella helena*
EN ⁸¹ A1ce, B1+2abcde, C1+2a
USA (Hawaiian Is)
- Family ACHATINIDAE
- Archachatina bicarinata*
VU ⁴⁴ A1cde, B1+2b
São Tomé & Príncipe
- Family AGRIOLIMACIDAE
- Deroceras tarraceuse*
VU ¹¹⁵ D2
Spain
- Family AMASTRIDAE
- Amastra cylindrica*
CR ⁵³ B1+2abd
USA (Hawaiian Is)
- Amastra micans*
CR ⁵³ B1+2abd
USA (Hawaiian Is)
- Amastra rubens*
CR ⁵³ B1+2abd
USA (Hawaiian Is)
- Amastra spirizona*
CR ⁵³ B1+2abd
USA (Hawaiian Is)
- Armsia petasus*
CR ⁵³ B1+2abd
USA (Hawaiian Is)
- Laminella sanguinea*
CR ⁵³ B1+2abd
USA (Hawaiian Is)
- Leptachatina lepida*
EN ⁵³ B1+2abd
USA (Hawaiian Is)
- Tropidoptera heliciformis*
CR ⁵³ B1+2abd
USA (Hawaiian Is)
- Family BRADYBAENIDAE
- Helicostyla smargadina*
CR ¹¹⁵ A2c, B1+2c
Philippines
- Monadenia circumcarinata*
Keel Sideband
VU ¹⁴⁹ D2
USA
- Monadenia setosa*
Trinity Bristle Snail
VU ¹⁴⁹ D2
USA
- Family BULIMULIDAE
- Boninena callistoderma*
EN ¹⁷⁵ A2e
Japan (Ogasawara-gunto)
- Boninena hiraseana*
EN ¹⁷⁵ A2b
Japan (Ogasawara-gunto)
- Boninena ogasawarae*
EN ¹⁷⁵ A2b
Japan (Ogasawara-gunto)
- Bothriembryon bradshawi*
VU ¹⁶⁰ D2
Australia
- Bothriembryon brazieri*
VU ¹⁶⁰ D2
Australia
- Bothriembryon glauerti*
VU ⁹⁸ D2
Australia
- Bothriembryon irvineanus*
VU ¹⁶⁰ B1+2bc, D2
Australia
- Bothriembryon perobesus*
EN ¹⁶⁰ C2b
Australia
- Bothriembryon praecelcus*
EN ¹⁶⁰ C2b
Australia
- Bothriembryon spenceri*
VU ⁹⁹ D2
Australia
- Bothriembryon whitleyi*
VU ¹⁶⁰ D2
Australia
- Drymaeus henseli*
VU ¹⁰⁸ D2
Brazil
- Napaeus isletae*
CR ⁶ A2c
Spain (Canary Is)
- Orymaeus acervatus*
VU ¹⁰⁸ A1ac
Brazil
- Placostylus bollonsi*
Pupuharakeke
VU ¹⁵⁶ D2
New Zealand
- Placostylus hongii*
Pupuharakeke or Flax Snail
VU ¹⁵⁶ C1+2a, D2
New Zealand
- Family CAMAENIDAE
- Amplirhagada astuta*
EN ¹⁶⁰ C2a
Australia
- Amplirhagada questroana*
EN ¹⁶⁰ C2b
Australia
- Carinotrachia carsoniana*
VU ¹⁶⁰ D2
Australia
- Cristilabrum bubulum*
EN ¹³⁹ C2b
Australia
- Cristilabrum buryillum*
EN ¹⁶⁰ C2b
Australia
- Cristilabrum grossum*
EN ¹³⁹ C2a
Australia

- Cristilabrum isolatum*
VU ¹⁶⁰ D2
Australia
- Cristilabrum monodon*
VU ¹⁶⁰ D2
Australia
- Cristilabrum primum*
VU ¹⁶⁰ D2
Australia
- Cristilabrum rectum*
VU ¹⁶⁰ D2
Australia
- Cristilabrum simplex*
VU ¹⁶⁰ D2
Australia
- Cristilabrum solitutum*
EN ¹⁶⁰ C2b
Australia
- Cupedora evandaleana*
EN ¹⁶¹ A1c
Australia
- Cupedora nottensis*
VU ¹⁶¹ D2
Australia
- Damochlora millepunctata*
EN ¹⁶⁰ C2a
Australia
- Damochlora spina*
VU ¹⁶⁰ D2
Australia
- Divellomelon hillieri*
VU ⁹⁹ D2
Australia
- Glyptorhagada bordaensis*
VU ¹⁶¹ D2
Australia
- Glyptorhagada euglypta*
VU ¹⁴⁰ D2
Australia
- Glyptorhagada kooringensis*
VU ¹⁶¹ D2
Australia
- Glyptorhagada silveri*
EN ¹⁶¹ A2ce
Australia
- Glyptorhagada tattawuppana*
VU ¹⁶¹ D2
Australia
- Hadra wilsoni*
VU ¹⁶⁰ D2
Australia
- Kimboraga exanimus*
EN ¹⁶⁰ C2b
Australia
- Kimboraga koolanensis*
VU ¹⁶⁰ D1
Australia
- Kimboraga micromphala*
VU ¹⁶⁰ D2
Australia
- Kimboraga yammerana*
VU ¹⁶⁰ B1+2bc, D2
Australia
- Meridolum benneti*
VU ¹⁶⁵ D2
Australia
- Meridolum corneovirens*
EN ¹⁴⁰ A2ce, B1+2abcd
Australia
- Meridolum depressum*
VU ¹⁴⁰ D2
Australia
- Mouldingia occidentalis*
VU ¹⁶⁰ D2
Australia
- Mouldingia orientalis*
EN ¹⁶⁰ C2b
Australia
- Mussonena campbelli*
VU ¹⁶⁵ D2
Australia
- Ningbingia australis*
VU ¹⁶⁰ B1+2bc, D2
Australia
- Ningbingia bulla*
VU ¹⁶⁰ D2
Australia
- Ningbingia dentiens*
VU ¹⁶⁰ D2
Australia
- Ningbingia laurina*
VU ¹⁶⁰ D2
Australia
- Ningbingia octava*
VU ¹⁶⁰ D2
Australia
- Ningbingia res*
VU ¹⁶⁰ D2
Australia
- Offachloritis dryanderensis*
VU ¹⁶⁵ D2
Australia
- Ordtrachia elegans*
VU ¹⁶⁰ D2
Australia
- Pleuroxia hinsbyi*
VU ¹⁴⁰ B1+2bc, D2
Australia
- Prototrachia sedula*
VU ⁹⁹ D2
Australia
- Rhagada gibbensis*
VU ¹⁶⁰ D2
Australia
- Rhagada harti*
VU ¹⁶⁰ C2b
Australia
- Semotrachia euzyga*
VU ⁹⁹ D2
Australia
- Sinumelon bednalli*
VU ⁹⁹ D2
Australia
- Thersites mitchellae*
EN ¹⁶⁵ C2a
Australia
- Torresitrachia thedana*
VU ¹⁶⁰ D2
Australia
- Turgenitubulus aslini*
VU ¹⁶⁰ B1+2bc, D2
Australia
- Turgenitubulus castus*
VU ¹⁶⁰ D2
Australia
- Turgenitubulus depressus*
VU ¹⁶⁰ B1+2bc, D2
Australia
- Turgenitubulus foramenus*
VU ¹⁶⁰ B1+2bc, D2
Australia
- Turgenitubulus opiranus*
VU ¹⁶⁰ B1+2bc, D2
Australia
- Turgenitubulus pagodula*
VU ¹⁶⁰ D2
Australia
- Turgenitubulus tanmurrana*
VU ¹⁶⁰ D2
Australia
- Vidumelon wattii*
VU ⁹⁹ D2
Australia
- Westraltrachia alterna*
VU ¹³⁹ D2
Australia
- Westraltrachia inopinata*
VU ¹³⁹ D2
Australia
- Westraltrachia lievreana*
VU ¹⁶⁰ B1+2bc, D2
Australia
- Westraltrachia porcata*
VU ¹⁶⁰ D2
Australia
- Westraltrachia recta*
VU ¹⁶⁰ D2
Australia
- Westraltrachia subtila*
VU ¹⁶⁰ D2
Australia

*Westraltrachia turbinata*VU¹⁶⁰ D2

Australia

Family CARYODIDAE

Anoglypta launcestonensis

Granulated Tasmanian Snail

VU¹¹⁵ D2

Australia

Family CERIONIDAE

*Cerion nanus*CR⁹⁰ B1+2a

Cayman Islands

Family CHAROPIDAE

*Allocharopa erskinensis*VU¹¹⁵ D2

Australia

*Cralopa colliveri*VU¹¹⁵ D2

Australia

*Dupucharopa millestriata*VU¹⁶⁰ D2

Australia

*Geminoropa scindocataracta*VU¹¹⁵ D2

Australia

*Hedleyoconcha ailaketoae*VU¹⁴¹ D2

Australia

*Kondoconcha othnius*CR¹⁵⁴ B1+2abcd

French Polynesia

*Mautodontha boraborensis*CR¹⁵⁴ A1c

French Polynesia

*Mautodontha ceuthma*CR¹⁵⁴ A1c

French Polynesia

*Norfolkioconch iota*VU¹³⁷ D2

Norfolk Island

*Norfolkioconch norfolkensis*VU¹³⁷ D2

Norfolk Island

*Opanara altiapica*CR¹⁵⁴ B1+2abc

French Polynesia

*Opanara areaensis*CR¹⁵⁴ A2e, B1+2c

French Polynesia

*Opanara bitridentata*CR¹⁵⁴ A2e, B1+2c

French Polynesia

*Opanara caliculata*CR¹⁵⁴ A2e, B1+2c

French Polynesia

*Opanara depasoapicata*CR¹⁵⁴ A2e, B1+2c

French Polynesia

*Opanara duplicidentata*CR¹⁵⁴ A2e, B1+2c

French Polynesia

*Opanara fosbergi*CR¹⁵⁴ A2e, B1+2c

French Polynesia

*Opanara megomphala*CR¹⁵⁴ A2e, B1+2c

French Polynesia

*Opanara perahuensis*CR¹⁵⁴ A2e, B1+2c

French Polynesia

*Orangia cookei*EN¹⁵⁴ A2e, B1+2c

French Polynesia

*Orangia maituatensis*CR¹⁵⁴ A2e, B1+2c

French Polynesia

*Orangia sporadica*EN¹⁵⁴ A2e, B1+2c

French Polynesia

*Oreomava otwayensis*VU¹¹⁵ D2

Australia

*Penescosta mathewsi*VU¹³⁷ D2

Norfolk Island

*Penescosta sororcula*VU¹³⁷ D2

Norfolk Island

*Pernagera gatliffi*VU¹⁴⁰ D2

Australia

*Pilsbrycharopa tumida*VU¹⁶⁰ D2

Australia

*Pilula praetumida*VU⁷⁸ B1+2ab

Réunion

*Ptychodon schuppi*EN¹⁰⁸ A1ac

Brazil

*Radioconus goeldi*CR¹⁰⁸ B1+2c

Brazil

*Radioconus riochcoensis*EN¹⁰⁸ B1+2ab

Brazil

*Radiodiscus amdenus*EN¹⁰⁸ A1ac

Brazil

*Radiodiscus compactus*VU¹⁰⁸ A1ac

Brazil

*Rhysoconcha atanuiensis*VU¹⁵⁴ D2

French Polynesia

*Rhysoconcha variumbilicata*CR¹⁵⁴ A2e, B1+2c

French Polynesia

*Ruatara koarana*CR¹⁵⁴ A2e, B1+2c

French Polynesia

*Ruatara oparica*VU¹⁵⁴ D2

French Polynesia

*Sinployea pūcairnensis*VU¹⁴² D2

Pitcairn Islands

Family CLAUSILIIDAE

*Boettgeria obesiuscula*VU¹¹⁵ D2

Portugal (Madeira)

*Bofilliella subarcuata*VU¹¹⁵ D2

France, Spain

*Lamnifera pauli*VU¹¹⁵ B1+2c

France, Spain

*Lampedusa imitratix*VU¹⁵² D2

Malta

*Lampedusa melitensis*CR¹⁵² B1+2c

Malta

Family COCHLICOPIDAE

*Cryptazeca elongata*VU¹¹⁵ D2

Spain

*Cryptazeca kobelti*EN¹¹⁵ B1+2c

Spain

*Cryptazeca monodonta*VU¹¹⁵ D2

France, Spain

*Cryptazeca spelaea*VU¹¹⁵ D2

Spain

*Cryptazeca subcylindrica*VU¹¹⁵ D2

France

Family DISCIDAE

Discus marmorensis

Marbled Disc

VU¹⁴⁹ D2

USA

Family DRAPARNAUDIIDAE

Draparnaudia anniae

CR²⁶ B1+2c
New Caledonia

Draparnaudia subnecata

CR²⁶ A1c, B1+2c
New Caledonia

Family ENDODONTIDAE

Hirasea acutissima

EN¹⁷⁵ A1d
Japan (Ogasawara-gunto)

Hirasea chichijimana

EN¹⁷⁵ A2b
Japan (Ogasawara-gunto)

Hirasea diplomphalus

EN¹⁷⁵ A2b
Japan (Ogasawara-gunto)

Hirasea insignis

EN¹⁷⁵ A1d
Japan (Ogasawara-gunto)

Hirasea operculina

EN¹⁷⁵ A2b
Japan (Ogasawara-gunto)

Thaumatodon hystricelloides

EN¹¹⁵ A2ce
Western Samoa

Family ENIDAE

Euchondrus ramonensis

CR⁸⁷ C2b, D1
Israel

Pene galilaea

CR⁸⁷ A1c
Israel

Family EUCONULIDAE

Caldwellia imperfecta

VU¹¹⁵ B1+2a, D2
Mauritius, Réunion

Ctenophila caldwelli

EN¹¹⁵ B1+2a
Mauritius

Ctenophila setiliris

EN¹¹⁵ B1+2a
Réunion

Ctenophila vorticella

VU⁷⁸ B1+2a, D2
Réunion

Dancea rodriguezensis

EN⁷⁸ B1+2a
Mauritius (Rodrigues)

Dupontia levis

VU⁷⁸ B1+2a
Mauritius

Dupontia nitella

VU⁷⁸ B1+2ab
Mauritius, Réunion

Dupontia perlucida

EN⁷⁸ B1+2a
Mauritius

Dupontia poweri

VU⁷⁸ B1+2a
Mauritius

Elasmias cernicum

VU⁷⁸ B1+2ab
Mauritius, Réunion

Hacrochlamys lineolatus

EN¹⁷⁵ A1d
Japan (Ogasawara-gunto)

Lamprocystis hahajimana

EN¹⁷⁵ A2b
Japan (Ogasawara-gunto)

Liardetia boninensis

VU¹⁷⁵ D1
Japan (Ogasawara-gunto)

Plegma caelatura

VU⁷⁸ B1+2a
Réunion

Thapsia snelli

EN⁷⁸ B1+2a
Mauritius (Rodrigues)

Trochochlamys ogasawarana

CR¹⁷⁵ A1d
Japan (Ogasawara-gunto)

Family FERUSSACIIDAE

Amphorella iridescens

VU¹¹⁵ D2
Portugal (Madeira)

Amphorella melampoides

VU¹¹⁵ D2
Portugal (Madeira)

Amphorella producta

VU¹¹⁵ D2
Portugal (Madeira)

Cecilioides connollyi

VU¹¹⁵ D2
Gibraltar

Cecilioides eulima

CR¹⁵⁴ A2c, B1+2c
Portugal (Madeira)

Cylichnidia ovuliformis

VU¹¹⁵ D2
Portugal (Madeira)

Sculptiferussacia clausiliaeformis

VU⁶ A2e, D2
Spain (Canary Is)

Family GEOMITRIDAE

Actinella anaglyptica

VU¹¹⁵ D2
Portugal (Madeira)

Actinella effugiens

VU¹¹⁵ D2
Portugal (Madeira)

Caseolus calculus

VU¹¹⁵ D2
Portugal (Madeira)

Caseolus subcalliferus

VU¹⁵⁴ D2
Portugal (Madeira)

Discula bicarinata

VU¹¹⁵ D2
Portugal (Madeira)

Discula bulweri

EN¹¹⁵ A2e
Portugal (Madeira)

Discula cheiranthicola

VU¹¹⁵ D2
Portugal (Madeira)

Discula echinulata

VU¹⁵⁴ D2
Portugal (Madeira)

Discula leacockiana

VU¹⁵⁴ D2
Portugal (Madeira)

Discula lyelliana

CR¹¹⁵ B1+2c
Portugal (Madeira)

Discula oxytropis

VU¹⁵⁴ D2
Portugal (Madeira)

Discula tabellata

EN¹⁵⁴ A2c, B1+2c
Portugal (Madeira)

Discula tectiformis

VU¹¹⁵ D2
Portugal (Madeira)

Discula testudinalis

CR¹⁵⁴ A2e, B1+2c
Portugal (Madeira)

Discula tetrica

CR¹¹⁵ B1+2c
Portugal (Madeira)

Discula turricula

VU¹⁵⁴ D2
Portugal (Madeira)

Disculella spirulina

VU¹¹⁵ D2
Portugal (Madeira)

Geomitra delphinuloides

CR¹⁵⁴ B1+2c
Portugal (Madeira)

Geomitra moniziana

EN¹⁵⁴ B1+2c
Portugal (Madeira)

Geomitra tiarella

EN¹⁵⁴ B1+2c
Portugal (Madeira)

Family **HELICARIONIDAE****Advena charon**

EN¹¹⁵ B1+2c
Norfolk Island

Buffetia retinaculum

VU¹³⁷ D2
Norfolk Island

Diastole tenuistriata

VU¹⁴² D2
Pitcairn Islands

Dolapex amiculum

EN¹¹⁵ B1+2c
Norfolk Island

Erepta odontina

EN⁷⁸ B1+2a
Mauritius

Erepta stylodon

CR⁷⁸ B1+2a
Mauritius

Harmogenanina argentea

VU⁷⁸ B1+2ab
Réunion

Harmogenanina implicata

CR⁷⁸ B1+2c
Mauritius

Helicarion leopardina

VU¹¹⁵ B1+2c, D2
Australia

Helicarion porrectus

VU¹⁶¹ B1+2c
Australia

Helicarion rubicundus

VU¹⁶¹ D2
Australia

Iredaleoconcha caporaphe

VU¹¹⁵ D2
Norfolk Island

Kaliella hongkongensis

VU¹⁸⁰ D2
Hong Kong

Lutilodix imitatrix

EN¹¹⁵ B1+2c
Norfolk Island

Mathewsoconcha belli

EN¹¹⁵ B1+2c
Norfolk Island

Philonesia filiceti

VU¹⁴² D2
Pitcairn Islands

Philonesia pitcairnensis

VU¹⁴² D2
Pitcairn Islands

Pittoconcha concinna

VU¹¹⁵ D2
Norfolk Island

Thapsia buraensis

CR¹⁷² B1+2ac
Kenya

Theskelomensor creon

VU¹⁴¹ D2
Australia

Tubuaia fosbergi

VU¹⁴² D2
Pitcairn Islands

Zingis radiolata

CR¹⁷² B1+2ac
Kenya

Family **HELICIDAE****Helix texta**

EN⁸⁷ A1ce
Israel

Helix ceratina

CR²⁶ A2c, B1+2c
France

Helix obruta

VU⁷⁰ B1+2c
Portugal (Azores)

Hemicycla pouchet

VU⁶ A1c
Spain (Canary Is)

Hemicycla saulcyi

CR⁶ A2c
Spain (Canary Is)

Idiomela subplicata

VU¹⁵⁴ D2
Portugal (Madeira)

Lampadia webbiana

VU¹¹⁵ D2
Portugal (Madeira)

Lemniscia michaudi

VU¹¹⁵ D2
Portugal (Madeira)

Leptaxis caldeirarum

EN⁷⁰ B1+2c
Portugal (Azores)

Leptaxis furva

VU¹¹⁵ D2
Portugal (Madeira)

Leptaxis terzeirana

VU⁷⁰ B1+2c
Portugal (Azores)

Leptaxis vetusa

CR⁷⁰ B1+2bc
Portugal (Azores)

Leptaxis wollastoni

EN¹¹⁵ B1+2c
Portugal (Madeira)

Spirorbula latens

VU¹¹⁵ D2
Portugal (Madeira)

Theba arinagae

VU⁶ A2c, D2
Spain (Canary Is)

Family **HELICODISCIDAE****Zilchogyra paulistana**

CR¹⁰⁸ A1ac
Brazil

Family

HELMINTHOGLYPTIDAE**Eremarionta immaculata**

White Desrt Snail
VU¹⁴⁹ D2
USA

Eremarionta millepalmarum

Thousand Palms Desert Snail
VU¹⁴⁹ D2
USA

Helminthoglypta allynsmithi

Merced Canyon Shoulderband
VU¹⁴⁹ D2
USA

Helminthoglypta callistoderma

Kern Shoulderband
EN¹⁴⁹ B1+2c
USA

Helminthoglypta coelata

Mesa Shoulderband
VU¹⁴⁹ B1+2c
USA

Helminthoglypta walkeriana

Morro Shoulderband
CR¹⁴⁹ A1ce, B1+2bc
USA

Micrarionta facta

Santa Barbara Island Snail
VU¹⁴⁹ D2
USA

Micrarionta feralis

San Nicolas Island Snail
CR¹⁴⁹ B1+2d
USA

Micrarionta opuntia

Prickly Pear Island Snail
VU¹⁴⁹ D2
USA

Xerarionta intercisca

Plain Cactus Snail
VU¹⁴⁹ D2
USA

Xerarionta redimita

Wreathed Cactus Snail
VU¹⁴⁹ D2
USA

Xerarionta tryoni

Bicolor Cactus Snail
VU¹⁴⁹ D2
USA

Family **HYGROMIIDAE**

Candidula setubalensis

VU ¹¹⁵ D2

Portugal

Helicella bierzona

VU ¹¹⁵ D2

Spain

Helicella mariae

VU ¹¹⁵ D2

Spain

Helicella stiparum

VU ¹¹⁵ D2

Spain

Hygromia golasi

VU ¹¹⁵ D2

Andorra

Obelus despreauxii

VU ⁶ A2c

Spain (Canary Is)

Pyrenaeaaria daanidentata

VU ¹¹⁵ D2

Spain

Pyrenaeaaria molae

VU ¹¹⁵ D2

Spain

Suboestophora jeresae

VU ¹¹⁵ D2

Spain

Trochoidea gharlapsi

VU ¹¹⁵ D2

Malta

Trochoidea molinae

VU ¹¹⁵ D2

Spain

Trochoidea pseudojacosta

CR ⁸⁷ C2b, D1

Israel

Trochoidea zaharensis

VU ¹¹⁵ D2

Spain

Tyrrheniella josephi

VU ¹²⁹ D2

Italy

Family **MEGALOBULIMIDAE**

Megalobulimus fragilion

EN ¹⁰⁸ D1

Brazil

Megalobulimus grandis

CR ¹⁰⁸ D1

Brazil

Megalobulimus lopesi

EN ¹⁰⁸ D1

Brazil

Megalobulimus parafragilior

EN ¹⁰⁸ D1

Brazil

Megalobulimus proclivis

CR ¹⁰⁸ A1ac

Brazil

Family **MEGOMPHICIDAE**

Ammonitella yatesii

Tight Coin

VU ¹⁴⁹ D2

USA

Family **OREOHELICIDAE**

Oreohelix jugalis

Boulder Pile Mountain Snail

VU ¹⁴⁹ D2

USA

Oreohelix vortex

Whorled Mountain Snail

VU ¹⁴⁹ D2

USA

Oreohelix waltoni

Lava Rock Mountain Snail

VU ¹⁴⁹ D2

USA

Radiocentrum avalonense

Catalina Mountain Snail

CR ¹⁴⁹ B1+2c

USA

Family **ORTHALICIDAE**

Bulimulus akamatus

VU ¹¹⁵ D2

Ecuador (Galápagos Is)

Bulimulus alethorhytidus

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus amastroides

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus blombergi

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus calvus

VU ¹¹⁵ D2

Ecuador (Galápagos Is)

Bulimulus cavagnaroi

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus darwini

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus eos

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus eschariferus

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus hirsutus

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus jacobii

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus lycodius

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus nesioticus

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus nux

VU ¹¹⁵ D2

Ecuador (Galápagos Is)

Bulimulus ochsneri

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus reibischi

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus rugiferus

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus saeronius

VU ¹¹⁵ D2

Ecuador (Galápagos Is)

Bulimulus sculpturatus

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus tanneri

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus unifasciatus

VU ¹¹⁵ D2

Ecuador (Galápagos Is)

Bulimulus ustulatus

VU ¹⁵⁴ D2

Ecuador (Galápagos Is)

Bulimulus wolffi

VU ¹¹⁵ D2

Ecuador (Galápagos Is)

Leucocharis pancheri

CR ²⁶ B1+2d

New Caledonia

Placostylus ambagiosus

Flax Snail

VU ¹⁵⁶ B1+2abcde

New Zealand

Placostylus bivaricosus

CR ¹³⁸ B1+2abcde

Australia

Placostylus eddystonensis

VU ²⁶ A1ab

New Caledonia

Placostylus fibratus

VU ²⁶ A1cde

New Caledonia

*Placostylus porphyrostomus*

VU ²⁶ A1c
New Caledonia

Family PARMACELLIDAE

Parmacella tenerifensis

EN ⁶ A1ac+2c
Spain (Canary Is)

Family PARTULIDAE

Eua zebrina

EN ¹¹⁵ A2ce
American Samoa

Partula calypso

CR ¹¹⁵ A2c
Palau

Partula clara

CR ¹¹⁵ A1c+2c
French Polynesia

Partula emersoni

CR ¹¹⁵ A1e+2cc
Federated States of Micronesia

Partula filosa

CR ¹¹⁵ A1c+2ce
French Polynesia

Partula gibba

Fat Guam Partula
CR ¹¹⁵ A2ce
Guam, Northern Marianas

Partula guamensis

CR ¹¹⁵ A2ce
Federated States of Micronesia

Partula hyalina

CR ¹¹⁵ A1e
French Polynesia

Partula langfordi

CR ¹¹⁵ A1e+2ce
Northern Marianas

Partula leucothoe

CR ¹¹⁵ A2e
Palau

Partula martensiana

CR ¹¹⁵ A1ce+2e
Federated States of Micronesia

Partula otaheitana

CR ¹¹⁵ A1ace+2ce, B1+2abcd
French Polynesia

Partula radiolata

Radiolate Partula
CR ¹¹⁵ A2ce, B1+2abcde
Guam

Partula rosea

CR ¹¹⁵ A1ce+2ce
French Polynesia

Partula thetis

CR ¹¹⁵ A1c
Palau

Partula varia

CR ¹¹⁵ A1ace, B1+2abcde
French Polynesia

Samoana annectens

EN ¹¹⁵ A1e
French Polynesia

Samoana attenuata

EN ¹¹⁵ A1e
French Polynesia

Samoana conica

EN ¹¹⁵ A2ce
American Samoa

Samoana diaphana

EN ¹¹⁵ A1e
French Polynesia

Samoana fragilis

EN ¹¹⁵ A2ce
Guam

Samoana solitaria

EN ¹¹⁵ A1e
French Polynesia

Samoana thurstoni

EN ¹¹⁵ A2ce
American Samoa

Family POLYGYRIDAE

Cryptomastix magnidentata

Mission Creek Oregonian
VU ¹⁴⁹ D2
USA

Family PUNCTIDAE

Christianoconcha quintalia

VU ¹³⁸ D2
Norfolk Island

Family PUPILLIDAE

Gastrocopta boninensis

VU ¹⁷⁵ C1
Japan (Ogasawara-gunto)

Lauria fanalensis

VU ¹¹⁵ B1+2bc
Portugal (Madeira)

Leiostyla abbreviata

CR ¹⁵⁴ B1+2cd
Portugal (Madeira)

Leiostyla callathiscus

VU ¹¹⁵ D2
Portugal (Madeira)

Leiostyla cassida

CR ¹¹⁵ B1+2c
Portugal (Madeira)

Leiostyla cheiligona

VU ¹¹⁵ B1+2c
Portugal (Madeira)

Leiostyla concinna

VU ¹¹⁵ D2
Portugal (Madeira)

Leiostyla corneocostata

VU ¹⁵⁴ D2
Portugal (Madeira)

Leiostyla degenerata

VU ¹¹⁵ D2
Portugal (Madeira)

Leiostyla ferraria

VU ¹¹⁵ D2
Portugal (Madeira)

Leiostyla filicum

VU ¹¹⁵ D2
Portugal (Madeira)

Leiostyla gibba

CR ¹⁵⁴ B1+2c
Portugal (Madeira)

Leiostyla heterodon

CR ¹¹⁵ B1+2c
Portugal (Madeira)

Leiostyla laevigata

VU ¹⁵⁴ D2
Portugal (Madeira)

Leiostyla monticola

VU ¹¹⁵ D2
Portugal (Madeira)

Leiostyla relevata

VU ¹¹⁵ D2
Portugal (Madeira)

Leiostyla simulator

CR ¹¹⁵ B1+2c
Portugal (Madeira)

Leiostyla vermiculosa

VU ⁷⁰ B1+2c
Portugal (Azores)

Nesopupa madgei

VU ⁷⁸ B1+2ab
Mauritius, Réunion

Ptychalaria dedecora

VU ¹⁷⁵ C1
Japan (Ogasawara-gunto)

Family RHYTIDIDAE

Occirhenea georgiana

EN ¹⁶⁰ C2a
Australia

Rhytida clarki

CR ¹⁵⁶ B1+2ab
New Zealand

Rhytida oconnori

CR ¹⁵⁶ B1+2d
New Zealand

Tasmaphena lamproides

VU ¹⁶¹ A2de
Australia

Victaphanta compacta

EN ¹¹⁵ A2c
Australia

Family STREPTAXIDAE

Gonidomus sulcatus

VU ⁷⁸ B2ab, C2a
Mauritius

Gonospira cylindrella

VU ⁷⁸ B1+2ab
Réunion

Gonospira deshayesi

EN ⁷⁸ B1+2ab
Réunion

Gonospira duponti

CR ⁷⁸ C2b
Mauritius

Gonospira holostoma

VU ⁷⁸ B1+2ab
Mauritius

Gonospira madgei

VU ⁷⁸ B1+2ab
Mauritius

Gonospira striaticostus

VU ⁷⁸ D2
Mauritius

Gonospira teres

VU ⁷⁸ D2
Mauritius

Gonospira turgidula

VU ⁷⁸ B1+2ab
Réunion

Gonospira uvula

EN ⁷⁸ B1+2a
Réunion

Gulella antelmeana

EN ⁷⁸ B1+2a
Mauritius

Gulella taitensis

CR ¹⁷² B1+2ac
Kenya

Microstrophia modesta

EN ⁷⁸ B1+2ab
Mauritius

Microstrophia nana

VU ⁷⁸ B1+2a, D2
Mauritius

Family STROPHOCHEILIDAE

Gonyostomus gonyostomus

CR ¹⁰⁸ A1ac
Brazil

Gonyostomus insularis

VU ¹⁰⁸ D1
Brazil

Hirinaba curytibana

CR ¹⁰⁸ A1ac
Brazil

Family SUBULINIDAE

Euonyma curtissima

EN ¹⁷² B1+2ac
Kenya

Subuliniscus arambourgi

EN ¹⁷² B1+2ac
Kenya

Family SUCCINEIDAE

Bininosuccinea ogasawarae

VU ¹⁷⁵ D2
Japan (Ogasawara-gunto)

Bininosuccinea punctulispira

VU ¹⁷⁵ D2
Japan (Ogasawara-gunto)

Oxyloma kanabense

Kanab Amber Snail
CR ¹⁴⁹ B1+2d
USA

Succinea piratarum

EN ¹¹⁵ A2c
Guam

Succinea quadrasi

EN ¹¹⁵ A2e
Guam

Family VALLONIIDAE

Spelaeodiscus tatricus

VU ¹¹⁵ D2
Slovakia

Family VERTIGINIDAE

Truncatellina arcyensis

EN ²⁹ B1+2c
France

Family VITRINIDAE

Insulivitrina reticulata

EN ⁶ A2c
Spain (Canary Is)

Family ZONITIDAE

Oxychilus amaltheae

VU ¹¹⁹ D2
Greece

Oxychilus agostinhoi

VU ⁷⁰ B1+2c
Portugal (Azores)

Oxychilus lineolatus

VU ⁷⁰ B1+2c
Portugal (Azores)

Trochomorpha apia

EN ¹¹⁵ A2ce
American Samoa

Vitrea pseudotrolli

VU ²⁶ D2
France, Italy

Zonitoides jaccetanicus

EN ¹¹⁵ B1+2c
Spain

Class ENOPLA

Order HOPLONEMERTEA

Family PROSORHOCHMIDAE

Antiponemertes allisonae

VU ¹⁸⁵ D2
New Zealand

Katechonemertes nightingaleensis

VU ¹⁸⁵ D2
St Helena (Tristan da Cunha)

Class ANTHOZOA

Order ACTINIARIA

Family EDWARDSIIDAE

Nematostella vectensis

Starlet Sea Anemone
VU ¹⁸⁵ A1ce
Canada, USA, United Kingdom

Order GORGONACEA

Family PLEXAURIDAE

Eunicella verrucosa

Broad Sea Fan
VU ¹⁸⁵ A1d
France, Ireland, Mauritania,
Morocco, Portugal, Spain, United
Kingdom

Lower Risk : conservation dependent

Class MAMMALIA

Order DIPROTODONTIA

Family POTOROIDAE

*Bettongia penicillata*¹³

Woylie
Australia

Order CHIROPTERA

Family EMBALLONURIDAE

*Emballonura raffrayana*⁴²

Raffray's Sheath-tailed Bat
Indonesia, Papua New Guinea,
Solomon Islands

Family RHINOLOPHIDAE

*Rhinolophus ferrumequinum*⁴²

Afghanistan, Algeria, Austria,
Azerbaijan, Belgium, Bosnia and
Herzegovina, Bulgaria, China,
Croatia, Cyprus, Czech Republic,
France, Georgia, Germany, Greece,
Hungary, India, Iran, Iraq, Israel,
Italy, Japan, Kyrgyzstan, Lebanon,
Luxembourg, Macedonia, Morocco,
Nepal, Netherlands, North Korea,
Poland, Portugal, Romania, Russia,
Saudi Arabia, Slovakia, Slovenia,
South Korea, Spain, Switzerland,
Syria, Tunisia, Turkey,
Turkmenistan, Ukraine, United
Kingdom, Uzbekistan, Yugoslavia

Order PRIMATES

Family Tarsiidae

*Tarsius syrichta*¹⁴³

Philippine Tarsier
Philippines

Family Cercopithecidae

*Macaca nigrescens*¹⁴³

Dumoga-bone Macaque
Indonesia

*Macaca thibetana*¹⁴³

Tibetan Macaque
China

Order CARNIVORA

Family Canidae

*Urocyon littoralis*³⁶

Island Grey Fox
USA

*Vulpes velox*³⁶

Swift Fox
Canada (ex), USA

Family Hyainidae

*Crocuta crocuta*⁹²

Spotted Hyaena
Angola, Botswana, Cameroon,
Ethiopia, Gabon, Gambia, Guinea,
Kenya, Malawi, Mauritania,
Mozambique, Namibia, Nigeria,
Senegal, Sierra Leone, Somalia,
South Africa, Sudan, Tanzania,
Togo, Uganda, Zaire, Zambia,
Zimbabwe

Family Ursidae

*Ursus maritimus*¹³⁶

Polar Bear
Canada, Greenland, Norway
(Svalbard & Jan Mayen Is), Russia,
USA

Order CETACEA

Family Balaenidae

*Balaena mysticetus*⁴¹

Bowhead Whale
[Arctic Sea, Atlantic (northeast,
northwest), Pacific (northeast,
northwest)]

*Eubalaena australis*⁴¹

Southern Right Whale
[Atlantic (Antarctic, southeast,
southwest), Indian Ocean (Antarctic,
eastern, western), Pacific (southeast,
southwest)]

Family Balaenopteridae

*Balaenoptera bonarensis*⁴¹

Southern Minke Whale
[Atlantic (Antarctic), Indian Ocean
(Antarctic), Pacific (Antarctic)]

Family Eschrichtiidae

*Eschrichtius robustus*⁴¹

Gray Whale
[Arctic Sea, Pacific (northeast,
northwest, western central)]

Family DELPHINIDAE

*Globicephala macrorhynchus*⁴¹

Short-finned Pilot Whale
[Atlantic (eastern central, northeast,
northwest, southeast, southwest,
western central), Indian Ocean
(eastern, western), Mediterranean
and Black Sea, Pacific (eastern
central, northeast, northwest,
southeast, southwest, western
central)]

*Orcinus orca*⁴¹

Killer Whale
[Arctic Sea, Atlantic (Antarctic,
eastern central, northeast, northwest,
southeast, southwest, western
central), Indian Ocean (Antarctic,
eastern, western), Mediterranean and
Black Sea, Pacific (Antarctic, eastern
central, northeast, northwest,
southeast, southwest, western
central)]

*Stenella attenuata*⁴¹

Pantropical Spotted Dolphin
[Atlantic (eastern central, northwest,
southeast, southwest, western
central), Indian Ocean (eastern,
western), Pacific (eastern central,
northwest, southeast, southwest,
western central)]

*Stenella coeruleoalba*⁴¹

Striped Dolphin
[Atlantic (eastern central, northeast,
northwest, southeast, southwest,
western central), Indian Ocean
(eastern, western), Mediterranean
and Black Sea, Pacific (eastern
central, northeast, northwest,
southeast, southwest, western
central)]

*Stenella longirostris*⁴¹

Spinner Dolphin
[Atlantic (eastern central, northwest,
southeast, southwest, western
central), Indian Ocean (eastern,
western), Pacific (eastern central,
northwest, southeast, southwest,
western central)]

Family Phocoenidae

*Phocoenoides dalli*⁴¹

Dall's Porpoise
Canada, Japan, Mexico, North
Korea, Russia, South Korea, USA
[Pacific (eastern central, northeast,
northwest)]

Family ZIPHIIDAE

*Berardius arnuxii*⁴¹

Arnoux's Beaked Whale

[Atlantic (Antarctic, southeast, southwest), Indian Ocean (Antarctic, eastern central, western central), Pacific (Antarctic, southeast, southwest)]

*Berardius bairdii*⁴¹

Baird's Beaked Whale

[Pacific (eastern central, northeast, northwest)]

*Hyperoodon ampullatus*⁴¹

Northern Bottlenose Whale

[Atlantic (northeast, northwest)]

*Hyperoodon planifrons*⁴¹

Southern Bottlenose Whale

[Atlantic (Antarctic, southeast, southwest), Indian Ocean (Antarctic, eastern, western), Pacific (Antarctic, southeast, southwest)]

Order PERISSODACTYLA

Family RHINOCEROTIDAE

*Ceratotherium simum*³

White Rhinoceros

Botswana [re-int], Côte d'Ivoire, Kenya, Mozambique (ex?), Namibia, South Africa, Sudan (ex?), Swaziland, Zaire, Zambia (ex?), Zimbabwe

Order ARTIODACTYLA

Family CAMELIDAE

*Vicugna vicugna*¹⁶⁴

Vicuña

Argentina, Bolivia, Chile, Peru

Family GIRAFFIDAE

*Giraffa camelopardalis*⁹

Giraffe

Angola, Botswana, Cameroon, Central African Republic, Chad, Eritrea, Ethiopia, Kenya, Mali (ex?), Mauritania (ex), Mozambique (ex?), Namibia, Niger, Nigeria, Rwanda [int], Senegal (ex), Somalia, South Africa, Sudan, Swaziland, Tanzania, Uganda, Zaire, Zambia, Zimbabwe

Family BOVIDAE

*Aepyceros melampus*⁹

Impala

Angola, Botswana, Kenya, Malawi, Mozambique, Namibia, Rwanda, South Africa, Swaziland, Tanzania, Uganda, Zaire, Zambia, Zimbabwe

*Alcelaphus buselaphus*⁹

Common Hartebeest

Algeria (ex), Angola, Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, Chad, Côte d'Ivoire, Egypt (ex), Ethiopia, Gambia (ex?), Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho (ex), Mali, Morocco (ex), Namibia, Niger, Nigeria, Senegal, Somalia (ex), South Africa, Sudan, Swaziland, Tanzania, Togo, Tunisia (ex), Uganda, Zaire, Zimbabwe

*Alcelaphus lichtensteinii*⁹

Lichtenstein's Hartebeest

Angola, Burundi (ex), Malawi, Mozambique, South Africa, Tanzania, Zaire, Zambia, Zimbabwe [int]

*Antidorcas marsupialis*⁹

Springbok

Angola, Botswana, Lesotho (ex), Namibia, South Africa, Swaziland?

*Bison bison*²²

American Bison

Canada, USA

*Boselaphus tragocamelus*⁹

Nilgai

Bangladesh (ex), India, Nepal, Pakistan, USA [int]

*Capricornis crispus*³⁷

Japanese Serow

Japan

*Cephalophus harveyi*⁹

Harvey's Red Duiker

Ethiopia, Kenya, Somalia, Tanzania

*Cephalophus natalensis*⁹

Natal Red Duiker

Malawi, Mozambique, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe?

*Cephalophus rufilatus*⁹

Red-flanked Duiker

Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Côte d'Ivoire, Gambia, Ghana, Guinea, Guinea-Bissau, Mali, Niger, Nigeria, Senegal, Sierra Leone, Sudan, Togo, Uganda (ex?), Zaire

*Connochaetes gnou*⁹

Black Wildebeest

Lesotho, Namibia [int], South Africa, Swaziland

*Connochaetes taurinus*⁹

Blue & White-bearded Wildebeest

Angola, Botswana, Kenya, Malawi (ex), Mozambique, Namibia, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe

*Damaliscus dorcas*⁹

Bontebok

Botswana [int], Lesotho, Namibia [int], South Africa, Swaziland, Zimbabwe [int]

*Damaliscus lunatus*⁹

Topi

Angola, Benin, Botswana, Burkina Faso, Burundi (ex), Cameroon, Central African Republic, Chad, Ethiopia, Gambia (ex), Guinea (ex?), Guinea-Bissau (ex), Kenya, Mali (ex), Mauritania (ex), Mozambique (ex), Namibia, Niger, Nigeria, Rwanda, Senegal (ex), Somalia, South Africa, Sudan, Swaziland (ex), Tanzania, Togo (ex?), Uganda, Zaire, Zambia, Zimbabwe

*Gazella bennetti*⁹

Chinkara

Afghanistan?, India, Iran, Pakistan

*Gazella gazella*⁹

Mountain Gazelle

Egypt (ex), Iran [int], Israel, Jordan, Lebanon (ex), Oman, Saudi Arabia, Syria?, United Arab Emirates, Yemen

*Gazella granti*⁹

Grant's Gazelle

Ethiopia, Kenya, Somalia, Sudan, Tanzania, Uganda

*Gazella thomsonii*⁹

Thomson's Gazelle

Ethiopia, Kenya, Sudan, Tanzania

*Hippotragus equinus*⁹

Roan Antelope

Angola, Benin, Botswana, Burkina Faso, Burundi (ex), Cameroon, Central African Republic, Chad, Côte d'Ivoire, Ethiopia, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Malawi, Mali, Mauritania, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Swaziland, Tanzania, Togo, Uganda, Zaire, Zambia, Zimbabwe

*Hippotragus niger*⁹

Sable Antelope

Angola, Botswana, Kenya, Malawi, Mozambique, Namibia, South Africa, Swaziland [int], Tanzania, Zaire, Zambia, Zimbabwe

*Kobus ellipsiprymnus*⁹

Waterbuck

Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, Côte d'Ivoire, Ethiopia, Gabon, Gambia (ex?), Ghana, Guinea, Guinea-Bissau, Kenya, Malawi, Mali, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra



Leone, Somalia, South Africa,
Sudan, Swaziland, Tanzania, Togo,
Uganda, Zaire, Zambia, Zimbabwe

Kobus kob ⁹

Kob

Benin, Burkina Faso, Cameroon,
Central African Republic, Chad,
Côte d'Ivoire, Ethiopia, Gambia (ex),
Ghana, Guinea, Guinea-Bissau,
Kenya (ex), Mali, Mauritania, Niger,
Nigeria, Senegal, Sierra Leone (ex),
Sudan, Tanzania (ex), Togo, Uganda,
Zaire

Kobus leche ⁹

Lechwe

Angola, Botswana, Namibia, South
Africa [int], Zaire, Zambia

Kobus vardoni ⁹

Puku

Angola, Botswana, Malawi,
Namibia, Tanzania, Zambia,
Zimbabwe

Litocranius walleri ⁹

Gerenuk

Djibouti, Ethiopia, Kenya, Somalia,
Tanzania

Neotragus moschatus ⁹

Suni

Kenya, Malawi, Mozambique, South
Africa, Tanzania, Zimbabwe

Oreotragus oreotragus ⁹

Klipspringer

Angola, Botswana, Burundi (ex),
Central African Republic, Djibouti,
Eritrea, Ethiopia, Kenya, Lesotho?,
Malawi, Mozambique, Namibia,
Nigeria, Rwanda, Somalia, South
Africa, Sudan, Swaziland, Tanzania,
Uganda, Zaire, Zambia, Zimbabwe

Oryx gazella ⁹

Gemsbok

Angola, Botswana, Djibouti, Eritrea,
Ethiopia, Kenya, Namibia, Somalia,
South Africa, Sudan, Tanzania,
Uganda, Zimbabwe

Ourebia ourebi ⁹

Oribi

Angola, Benin, Botswana, Burkina
Faso, Burundi (ex), Cameroon,
Central African Republic, Chad,
Côte d'Ivoire, Eritrea, Ethiopia,
Gambia, Ghana, Guinea,
Guinea-Bissau, Kenya, Lesotho,
Malawi, Mali, Mozambique,
Namibia?, Niger, Nigeria, Rwanda,
Senegal, Sierra Leone, Somalia,
South Africa, Sudan, Swaziland,
Tanzania, Togo, Uganda, Zaire,
Zambia, Zimbabwe

Ovis canadensis ³⁷

Bighorn Sheep

Canada, Mexico, USA

Ovis nivicola ³⁷

Snow Sheep

Russia

Pelea capreolus ⁹

Grey Rhebok

Botswana (ex), Lesotho, South
Africa, Swaziland

Raphicerus melanotis ⁹

Cape Grysbok

South Africa

Raphicerus sharpei ⁹

Sharpe's Grysbok

Botswana, Malawi, Mozambique,
South Africa, Swaziland, Tanzania,
Zaire, Zambia, Zimbabwe

Redunca arundinum ⁹

Southern Reedbuck

Angola, Botswana, Congo (ex?),
Gabon (ex?), Malawi, Mozambique,
Namibia, South Africa, Swaziland,
Tanzania, Zaire, Zambia, Zimbabwe

Redunca fulvorufula ⁹

Mountain Reedbuck

Botswana, Cameroon, Ethiopia,
Kenya, Lesotho, Mozambique,
Nigeria, South Africa, Sudan,
Swaziland, Tanzania, Uganda

Redunca redunca ⁹

Bohor Reedbuck

Benin, Burkina Faso, Burundi,
Cameroon, Central African Republic,
Chad, Côte d'Ivoire, Ethiopia,
Gambia, Ghana, Guinea,
Guinea-Bissau, Kenya, Mali,
Mauritania, Niger, Nigeria, Rwanda,
Senegal, Sudan, Tanzania, Togo,
Uganda, Zaire

Rupicapra pyrenaica ³⁷

Southern Chamois

Italy, Spain

Syncerus caffer ⁹

African Buffalo

Angola, Benin, Botswana, Burkina
Faso, Burundi, Cameroon, Central
African Republic, Chad, Congo,
Côte d'Ivoire, Equatorial Guinea,
Ethiopia, Gabon, Gambia (ex),
Ghana, Guinea, Guinea-Bissau,
Kenya, Liberia, Malawi, Mali,
Mozambique, Namibia, Niger,
Nigeria, Rwanda, Senegal, Sierra
Leone, Somalia, South Africa,
Sudan, Swaziland, Tanzania, Togo,
Uganda, Zaire, Zambia, Zimbabwe

Tragelaphus angasii ⁹

Nyala

Botswana [int], Malawi,
Mozambique, Namibia [int], South
Africa, Swaziland, Zimbabwe

Tragelaphus imberbis ⁹

Lesser Kudu

Ethiopia, Kenya, Saudi Arabia (ex?),
Somalia, Sudan, Tanzania, Uganda,
Yemen (ex?)

Tragelaphus oryx ⁹

Common Eland

Angola, Botswana, Burundi (ex),
Ethiopia, Kenya, Lesotho, Malawi,
Mozambique, Namibia, Rwanda,
South Africa, Sudan, Swaziland,
Tanzania, Uganda, Zaire, Zambia,
Zimbabwe

Tragelaphus strepsiceros ⁹

Greater Kudu

Angola, Botswana, Central African
Republic, Chad, Djibouti, Eritrea,
Ethiopia, Kenya, Malawi,
Mozambique, Namibia, Somalia,
South Africa, Sudan, Swaziland,
Tanzania, Uganda, Zaire, Zambia,
Zimbabwe

Order RODENTIA

Family SCIURIDAE

Cynomys parvidens ⁸²

Utah Prairie Dog
USA

Marmota bobak ¹⁷³

Belarus, Kazakhstan, Russia, Ukraine

Family HETEROMYIDAE

Dipodomys stephensi ⁸²

Stephens' Kangaroo Rat
USA

Family MURIDAE

Eolagurus luteus ¹⁷³

China, Kazakhstan (ex), Mongolia

Pseudomys shortridgei ¹⁵

Heath Rat
Australia

Class AVES

Order GRUIFORMES

Family GRUIDAE

Grus monacha ²¹

Hooded Crane
China, Russia, * Japan, North Korea,
South Korea, Taiwan

Order CHARADRIIFORMES

Family LARIDAE

Larus audouinii ²¹

Audouin's Gull

Algeria, Cyprus, France, Greece, Italy, Morocco, Spain, Tunisia, Turkey. * Gabon, Gibraltar, Libya, Mauritania, Senegal, Western Sahara

Order COLUMBIFORMES

Family COLUMBIDAE

*Columba trocaz*²¹

Madeira Laurel Pigeon
Portugal (Madeira)

Order PASSERIFORMES

Family MUSCICAPIDAE

*Acanthiza katherina*²¹

Mountain Thornbill
Australia

*Pachycephala rufogularis*²¹

Red-lored Whistler
Australia

*Sericornis kerri*²¹

Atherton Scrubwren
Australia

*Stipiturus mallee*²¹

Mallee Emuwren
Australia

Family MELIPHAGIDAE

*Lichenostomus hindwoodi*²¹

Eungella Honeyeater
Australia

Family FRINGILLIDAE

*Fringilla teydea*²¹

Blue Chaffinch
Spain (Canary Is)

Family CALLAEIDAE

*Philesturnus carunculatus*²¹

Saddleback
New Zealand

Family PTILONORHYNCHIDAE

*Prionodura newtoniana*²¹

Golden Bowerbird
Australia

Class REPTILIA

Order TESTUDINES

Family PELOMEDUSIDAE

*Podocnemis expansa*¹⁷⁶

South American River Turtle
Bolivia, Brazil, Colombia, Ecuador, Guyana, Peru, Trinidad and Tobago, Venezuela

Class AMPHIBIA

Order ANURA

Family DISCOGLOSSIDAE

*Bombina bombina*⁶⁵

Austria, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Germany, Greece, Hungary, Kazakhstan, Latvia, Lithuania, Moldova, Poland, Romania, Russia, Slovakia, Slovenia, Sweden, Turkey, Ukraine, Yugoslavia

Order CAUDATA

Family SALAMANDRIDAE

*Triturus cristatus*⁶⁵

Great Crested Newt
Austria, Belarus, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Latvia, Lithuania, Luxembourg, Moldova, Netherlands, Norway, Poland, Russia, Slovakia, Sweden, Ukraine, United Kingdom

Class ACTINOPTERYGII

Order CYPRINIFORMES

Family CYPRINIDAE

*Barbus treurenis*¹⁵⁸

Treur River Barb
South Africa

*Puntius cumingii*¹³⁴

Two Spot Barb
Sri Lanka

*Puntius nigrofasciatus*¹³⁴

Black Ruby Barb
Sri Lanka

*Puntius pleurotaenia*¹³⁴

Side Striped Barb
Sri Lanka

*Puntius titteya*¹³⁴

Cherry Barb
Sri Lanka

*Rasbora vaterifloris*¹³⁴

Vateria Flower Rasbora
Sri Lanka

Family BALITORIDAE

*Acanthocobitis urophthalmus*¹³⁴

Banded Mountain Loach
Sri Lanka

Order PERCIFORMES

Family SPARIDAE

*Lithognathus lithognathus*¹⁵⁸

White Steenbras
South Africa

Family CICHLIDAE

*Serranochromis meridianus*¹⁵⁸

Lowveld Largemouth
South Africa

Family GOBIIDAE

*Mistichthys luzonensis*¹⁸⁵

Sinarapan
Philippines

Family BELONTIIDAE

*Belontia signata*¹³⁴

Combtail
Sri Lanka

*Malpulutta kretseri*¹³⁴

Ornate Paradiesfish
Sri Lanka

Class CRUSTACEA

Order ANOSTRACA

Family ARTEMIIDAE

*Artemia monica*⁹⁵

Mono Lake Brine Shrimp
USA

Order CYCLOPOIDA

Family CYCLOPIDAE

*Metacyclops campestris*¹⁴⁵

Brazil

*Muscocyclops bidenatus*¹⁴⁵

Brazil

*Muscocyclops thersasiae*¹⁴⁵

Brazil

*Ponticyclops boscoi*¹⁴⁵

Brazil

*Thermocyclops parvus*¹⁴⁵

USA

Order HARPACTICOIDA

Family CANTHOCAMPTIDAE

*Attheyella yemanjae*¹⁴⁵

Brazil

*Canthocamptus campaneri*¹⁴⁵

Brazil



Family

PARASTENOCARIDAE*Murunducaris juneeae*¹⁴⁵

Brazil

Class **INSECTA**Order **ORTHOPTERA**Family **ACRIDIDAE***Spaniacris deserticola*¹⁴⁶Spanistic Desert Grasshopper
Mexico, USAFamily **GRYLLIDAE***Neonemobius eurynotus*¹⁴⁶Bay Area Ground Cricket
USAFamily **STENOPELMATIDAE***Stenopelmatus nigrocapitatus*¹⁴⁶Black-headed Jerusalem Cricket
USAClass **BIVALVIA**Order **UNIONOIDA**Family **UNIONIDAE***Simpsonaias ambigua*²⁴

USA

Order **VENEROIDA**Family **TRIDACNIDAE***Hippopus hippopus*¹⁸¹

Bear Paw Clam

American Samoa (ex?), Australia,
Federated States of Micronesia, Fiji
(ex?), Guam (ex?), India? (Andaman
& Nicobar Is), Indonesia, Japan
(Nansei-shoto (ex?)),
Ogasawara-gunto), Kiribati,
Malaysia, Marshall Islands,
Myanmar, New Caledonia, Northern
Marianas (ex?), Palau, Papua New
Guinea, Philippines, Singapore,
Solomon Islands, Taiwan (ex?),
Thailand?, Tonga (ex?), Tuvalu,
Vanuatu, Western Samoa (ex?)*Hippopus porcellanus*¹⁸¹

China Clam

Indonesia, Palau, Philippines

*Tridacna maxima*¹⁸¹

Small Giant Clam

American Samoa, Australia, British
Indian Ocean Territory, China, Cook
Islands, Egypt, Federated States of
Micronesia, Fiji, French Polynesia,
Guam, India (Andaman & Nicobar
Is, Lakshadweep), Indonesia, Japan,
Kenya, Kiribati, Madagascar,
Malaysia, Maldives, Marshall
Islands, Mauritius, Mozambique,
Myanmar, New Caledonia, Northern
Marianas, Palau, Papua New Guinea,
Philippines, Pitcairn Islands, Saudi
Arabia, Seychelles, Singapore,
Solomon Islands, South Africa, Sri
Lanka, Taiwan, Thailand, Tokelau,
Tonga, Tuvalu, US Minor Pacific
Islands, Vanuatu, Viet Nam, Western
Samoa*Tridacna squamosa*¹⁸¹

Scaly Clam

American Samoa, Australia, British
Indian Ocean Territory, Egypt,
Federated States of Micronesia, Fiji,
French Polynesia, Guam (ex?), India
(Andaman & Nicobar Is,
Lakshadweep), Indonesia, Japan
(ex?), Kenya, Kiribati, Madagascar,
Malaysia, Maldives, Marshall
Islands, Mauritius, Mozambique,
Myanmar, New Caledonia, Northern
Marianas (ex?), Palau, Papua New
Guinea, Philippines, Saudi Arabia,
Seychelles, Singapore, Solomon
Islands, South Africa, Sri Lanka,
Thailand, Tokelau, Tonga, Tuvalu,
USA [int] (Hawaiian Is), Vanuatu,
Viet Nam, Western SamoaClass **GASTROPODA**Order **MESOGASTROPODA**Family **CYCLOPHORIDAE***Craspedoma hespericum*⁷⁰

Portugal (Azores)

*Craspedoma lyonnietianum*¹¹⁵

Portugal (Madeira)

*Craspedoma trochoideum*¹¹⁵

Portugal (Madeira)

Order **STYLOMMATOPHORA**Family **BULIMULIDAE***Napaeus nanodes*⁶

Spain (Canary Is)

Family **GEOMITRIDAE***Caseolus leptostictus*¹¹⁵

Portugal (Madeira)

*Lemniscia calva*¹¹⁵

Portugal (Madeira)

Family **HELICIDAE***Hemicycla adansoni*⁶

Spain (Canary Is)

*Hemicycla inutilis*⁶

Spain (Canary Is)

Family **HYGROMIIDAE***Canariella leprosa*⁶

Spain (Canary Is)

*Canariella pthonera*⁶

Spain (Canary Is)

Family **PUPILLIDAE***Leiostyla laurinea*¹¹⁵

Portugal (Madeira)

Family **VERTIGINIDAE***Pupisoma orcula*¹¹⁵

Federated States of Micronesia

*Vertigo angustior*¹¹⁵Armenia, Austria, Azerbaijan,
Belarus, Belgium, Czech Republic,
Denmark, Estonia, Finland, France,
Georgia, Germany, Hungary, Ireland,
Italy, Liechtenstein, Lithuania,
Netherlands, Norway, Poland,
Romania, Russia, Slovakia, Sweden,
Switzerland, Ukraine, United
Kingdom*Vertigo genesii*¹¹⁵Finland, Germany, Norway, Poland,
Romania, Russia, Sweden,
Switzerland, United Kingdom*Vertigo geyerii*¹¹⁵Austria, Czech Republic, Denmark,
Finland, Germany, Ireland, Latvia,
Lithuania, Norway, Poland,
Slovakia, Sweden, Switzerland,
United Kingdom*Vertigo moulinsiana*¹⁶⁷Algeria, Austria, Azerbaijan,
Belarus, Belgium, Czech Republic,
Denmark, Estonia, Finland, France,
Georgia, Germany, Hungary, Ireland,
Italy, Lithuania, Morocco,
Netherlands, Norway, Poland,
Romania, Russia, Slovakia, Spain,
Sweden, Switzerland, Ukraine

Lower Risk : near threatened

Class MAMMALIA

Order DIDELPHIMORPHIA

Family DIDELPHIDAE

*Caluromys lanatus*¹²¹

Argentina, Bolivia, Brazil,
Colombia, Ecuador, Paraguay, Peru,
Venezuela

*Caluromys philander*¹²¹

Brazil, French Guiana, Guyana,
Suriname, Trinidad and Tobago,
Venezuela

*Chironectes minimus*¹²¹

Argentina, Belize, Bolivia, Brazil,
Colombia, Costa Rica, Ecuador,
El Salvador, French Guiana,
Guatemala, Guyana, Honduras,
Mexico, Nicaragua, Panama,
Paraguay, Peru, Suriname, Venezuela

*Gracilinanus agilis*¹²¹

Argentina, Bolivia, Brazil, Paraguay,
Peru, Uruguay

*Gracilinanus marica*¹²¹

Colombia, Venezuela

*Gracilinanus microtarsus*¹²¹

Brazil

*Marmosa lepida*¹²¹

Bolivia, Brazil?, Colombia, Ecuador,
Peru, Suriname

*Marmosops fuscatus*¹²¹

Colombia, Trinidad and Tobago,
Venezuela

*Marmosops impavidus*¹²¹

Colombia, Ecuador, Panama, Peru,
Venezuela

*Marmosops incanus*¹²¹

Brazil

*Marmosops invictus*¹²¹

Panama

*Marmosops parvidens*¹²¹

Brazil, Colombia, Guyana, Peru,
Suriname, Venezuela

*Micoureus alstoni*¹²¹

Belize, Costa Rica, El Salvador,
Guatemala, Honduras, Nicaragua,
Panama

*Micoureus constantiae*¹²¹

Argentina, Brazil, Colombia

*Monodelphis americana*¹²¹

Brazil

*Monodelphis dimidiata*¹²¹

Argentina, Brazil, Uruguay

*Monodelphis iheringi*¹²¹

Brazil

*Thylamys macrura*¹²¹

Brazil, Paraguay

Order DASYUROMORPHIA

Family DASYURIDAE

*Antechinus godmani*¹³

Atherton Antechinus
Australia

*Antechinus leo*¹³

Cinnamon Antechinus
Australia

*Dasyurus hallucatus*¹³

Northern Quoll
Australia

*Dasyurus viverrinus*¹³

Eastern Quoll
Australia

*Phascogale tapoatafa*¹³

Brush-tailed Phascogale
Australia

Order DIPROTODONTIA

Family PHASCOLARCTIDAE

*Phascolarctos cinereus*¹³

Koala
Australia

Family POTOROIDAE

*Bettongia gaimardi*¹³

Tasmanian Bettong
Australia

*Wyulda squamicaudata*¹³

Scaly-tailed Possum
Australia

Family MACROPODIDAE

*Dendrolagus bennettianus*¹³

Bennett's Tree-kangaroo
Australia

*Dendrolagus lumholtzi*¹³

Lumholtz's Tree-kangaroo
Australia

*Lagorchestes conspicillatus*¹³

Spectacled Hare-wallaby
Australia

*Macropus bernardus*¹³

Black Wallaroo
Australia

*Macropus irma*¹³

Western Brush Wallaby
Australia

*Macropus parma*¹³

Parma Wallaby
Australia, New Zealand [int]

*Petrogale burbidgei*¹³

Monjon
Australia

*Petrogale coenensis*¹³

Cape York Rock-wallaby
Australia

*Petrogale concinna*¹³

Nabarlek
Australia

*Petrogale sharmani*¹³

Mountain Claro Rock-wallaby
Australia

*Petrogale xanthopus*¹³

Yellow-footed Rock-wallaby
Australia

Family PSEUDOCHEIRIDAE

*Hemibelideus lemuroides*¹³

Lemuroid Ringtail Possum
Australia

*Pseudochirops archeri*¹³

Green Ringtail Possum
Australia

*Pseudochirulus cinereus*¹³

Daintree River Ringtail Possum
Australia

*Pseudochirulus herbertensis*¹³

Herbert River Ringtail Possum
Australia

Family PETAURIDAE

*Petaurus australis*¹³

Yellow-bellied Glider
Australia

*Petaurus norfolcensis*¹³

Squirrel Glider
Australia

Order XENARTHRA

Family DASYPODIDAE

*Cabassous tatouay*⁶¹
Argentina, Brazil, Paraguay, Uruguay

*Tolypeutes matacus*⁶¹
Argentina, Bolivia, Brazil, Paraguay

Order INSECTIVORA

Family ERINACEIDAE

*Hylomys sinensis*⁹⁶
China, Myanmar, Viet Nam

Family SORICIDAE

*Blarinella wardi*⁹⁶
Southern Short-tailed Shrew
China, Myanmar

*Crociodura thalia*⁹⁶
Ethiopia

*Sorex macrodon*¹⁵
Mexico

*Sorex oreopolus*¹⁵
Mexico

Order CHIROPTERA

Family PTEROPODIDAE

*Acerodon celebensis*⁴²
Sulawesi Fruit Bat
Indonesia

*Aethalops alecto*⁴²
Pygmy Fruit Bat
Brunei, Indonesia, Malaysia

*Casinonycteris argynnis*⁴²
Short-palate Fruit Bat
Cameroon, Zaire

*Cynopterus nusatenggara*⁴²
Indonesia

*Dobsonia exoleta*⁴²
Sulawesi Naked-backed Fruit Bat
Indonesia

*Dobsonia minor*⁴²
Lesser Naked-backed Fruit Bat
Indonesia, Papua New Guinea

*Dobsonia praedatrix*⁴²
New Britain Naked-backed Bat
Papua New Guinea

*Dyacopterus spadiceus*⁴²
Dyak Fruit Bat
Brunei, Indonesia, Malaysia,
Philippines

*Epomophorus angolensis*⁴²
Angolan Epauletted Fruit Bat
Angola, Namibia

*Nyctimene aello*⁴²
Broad-striped Tube-nosed Fruit Bat
Papua New Guinea

*Nyctimene certans*⁴²
Indonesia, Papua New Guinea

*Nyctimene cyclotis*⁴²
Round-eared Tube-nosed Fruit Bat
Indonesia, Papua New Guinea

*Paranyctimene raptor*⁴²
Lesser Tube-nosed Fruit Bat
Indonesia, Papua New Guinea

*Pteropus chrysoproctus*⁴²
Ambon Flying-fox
Indonesia

*Pteropus temmincki*⁴²
Indonesia

*Pteropus vetulus*⁴²
New Caledonia

*Rousettus bidens*⁴²
Indonesia

*Rousettus obliviosus*⁴²
Comoros

*Styloctenium wallacei*⁴²
Indonesia

*Thoopterus nigrescens*⁴²
Swift Fruit Bat
Indonesia, Philippines?

Family EMBALLONURIDAE

*Balantiopteryx io*⁴²
Belize, Guatemala, Mexico

*Cyttarops alecto*⁴²
Brazil, Costa Rica, Guyana,
Nicaragua

*Diclidurus isabellus*⁴²
Brazil, Venezuela

*Saccolaimus flaviventris*⁴²
Australia, Papua New Guinea

*Saccolaimus peli*⁴²
Angola, Cameroon, Congo, Gabon,
Ghana, Kenya, Liberia, Nigeria,
Uganda, Zaire

*Saccopteryx gymnura*⁴²
Brazil, Venezuela?

*Taphozous australis*⁴²
Australia, Papua New Guinea

Family NYCTERIDAE

*Nycteris aurita*⁴²
Ethiopia, Kenya, Somalia, Tanzania

*Nycteris intermedia*⁴²
Angola, Cameroon, Côte d'Ivoire,
Gabon, Ghana, Tanzania, Zaire

*Nycteris woodi*⁴²
Cameroon, Ethiopia, Malawi,
Mozambique, Somalia?, South
Africa, Tanzania, Zambia, Zimbabwe

Family MEGADERMATIDAE

*Cardioderma cor*⁴²
Ethiopia, Kenya, Somalia, Sudan,
Tanzania, Uganda

Family RHINOLOPHIDAE

*Cloeotis percivali*⁴²
Botswana, Kenya, Mozambique,
South Africa, Swaziland, Tanzania,
Zaire, Zambia, Zimbabwe

*Coelops robinsoni*⁴²
Malaysia

*Hipposideros camerunensis*⁴²
Cameroon, Kenya, Zaire

*Hipposideros coronatus*⁴²
Philippines

*Hipposideros curtus*⁴²
Cameroon, Equatorial Guinea,
Nigeria?

*Hipposideros dinops*⁴²
Indonesia, Papua New Guinea,
Solomon Islands

*Hipposideros edwardshilli*⁴²
Papua New Guinea

*Hipposideros fuliginosus*⁴²
Cameroon, Congo, Equatorial
Guinea, Ethiopia, Ghana, Liberia,
Sierra Leone, Togo, Zaire

*Hipposideros halophyllus*⁴²
Thailand

*Hipposideros hypophyllus*⁴²
India

*Hipposideros jonesi*⁴²
Burkina Faso, Equatorial Guinea,
Ghana, Mali, Nigeria, Sierra Leone,
Sudan

*Hipposideros lekaguli*⁴²
Malaysia, Philippines, Thailand

*Hipposideros lylei*⁴²
Malaysia, Myanmar, Thailand

*Hipposideros macrobullatus*⁴²
Indonesia

*Hipposideros madurae*⁴²
Indonesia

*Hipposideros obscurus*⁴²
Philippines

*Hipposideros pratti*⁴²
China, Malaysia, Myanmar,
Thailand, Viet Nam

*Hipposideros pygmaeus*⁴²
Philippines

*Hipposideros schistaceus*⁴²
India

*Hipposideros semoni*⁴²
Australia, Papua New Guinea

*Hipposideros sorenseni*⁴²
Indonesia



- Hipposideros stenotis*⁴²
Australia
- Hipposideros sumbae*⁴²
Indonesia
- Hipposideros wollastoni*⁴²
Indonesia, Papua New Guinea
- Rhinolophus alcyone*⁴²
Cameroon, Congo, Equatorial Guinea, Gabon, Gambia, Ghana, Nigeria, Senegal, Sierra Leone?, Sudan, Uganda, Zaire
- Rhinolophus blasii*⁴²
Afghanistan, Albania, Algeria, Bulgaria, Cyprus, Ethiopia, Greece, Iran, Israel, Italy, Jordan, Morocco, Pakistan, Romania, Somalia, South Africa, Syria, Tunisia, Turkey, Turkmenistan, Yemen, Yugoslavia, Zaire
- Rhinolophus canuti*⁴²
Indonesia
- Rhinolophus celebensis*⁴²
Indonesia
- Rhinolophus cornutus*⁴²
China?, Japan
- Rhinolophus creaghi*⁴²
Indonesia, Malaysia
- Rhinolophus guineensis*⁴²
Guinea, Liberia, Sierra Leone
- Rhinolophus maclaudi*⁴²
Guinea, Liberia, Rwanda, Uganda, Zaire
- Rhinolophus monoceros*⁴²
Taiwan
- Rhinolophus nereis*⁴²
Indonesia
- Rhinolophus philippinensis*⁴²
Australia, Indonesia, Malaysia, Papua New Guinea, Philippines
- Rhinolophus rufus*⁴²
Philippines
- Rhinolophus shameli*⁴²
Cambodia, Malaysia, Myanmar, Thailand
- Rhinolophus silvestris*⁴²
Congo, Gabon
- Rhinolophus thomasi*⁴²
China, Myanmar, Thailand, Viet Nam
- Rhinolophus virgo*⁴²
Philippines
- Rhinolophus yunanensis*⁴²
China, India, Thailand
- Family MORMOOPIDAE
- Mormoops blainvillii*⁴²
Cuba, Dominican Republic, Haiti, Jamaica, Puerto Rico
- Pteronotus quadridens*⁴²
Cuba, Dominican Republic, Haiti, Jamaica, Puerto Rico
- Family PHYLLOSTOMIDAE
- Anoura latidens*⁴²
Venezuela
- Ardops nichollsi*⁴²
Dominica, Guadeloupe, Martinique, Montserrat, Netherlands Antilles, St Lucia, St Vincent
- Artibeus amplus*⁴²
Colombia, Venezuela
- Artibeus concolor*⁴²
Brazil, Colombia, French Guiana, Peru, Venezuela
- Artibeus fimbriatus*⁴²
Brazil, Paraguay
- Artibeus inopinatus*⁴²
El Salvador, Honduras, Nicaragua
- Artibeus obscurus*⁴²
Bolivia, Brazil, Colombia, Ecuador, French Guiana, Peru, Venezuela
- Brachyphylla nana*⁴²
Bahamas, Cayman Islands, Cuba, Dominican Republic, Haiti, Jamaica (ex), Turks and Caicos Islands
- Choeroniscus godmani*⁴²
Colombia, Costa Rica, El Salvador, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Suriname, Venezuela
- Choeroniscus intermedius*⁴²
Brazil, French Guiana, Peru, Trinidad and Tobago
- Choeronycteris mexicana*⁴²
Guatemala, Honduras, Mexico, USA
- Diphylla ecaudata*⁴²
Belize, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Peru, USA, Venezuela
- Glossophaga morenoi*⁴²
Mexico
- Lonchorhina orinocensis*⁴²
Colombia, Venezuela
- Micronycteris daviesi*⁴²
Costa Rica, French Guiana, Guyana, Honduras, Panama, Peru, Suriname, Trinidad and Tobago, Venezuela
- Micronycteris sylvestris*⁴²
Brazil, Colombia, Costa Rica, Ecuador, Honduras, Mexico, Nicaragua, Panama, Peru, Trinidad and Tobago, Venezuela
- Monophyllus plethodon*⁴²
Anguilla, Antigua and Barbuda, Barbados, Dominica, Guadeloupe, Martinique, Montserrat, St Lucia, St Vincent
- Phyllonycteris poeyi*⁴²
Cuban Flower Bat
Cuba, Dominican Republic, Haiti
- Phyllops falcatus*⁴²
Cayman Islands, Cuba, Haiti
- Phyllostomus latifolius*⁴²
Colombia, French Guiana
- Platyrrhinus aurarius*⁴²
Colombia, Suriname, Venezuela
- Platyrrhinus infuscus*⁴²
Bolivia, Brazil, Colombia, Ecuador, Peru
- Platyrrhinus umbratus*⁴²
Colombia, Panama?, Venezuela
- Rhinophylla aethina*⁴²
Colombia, Ecuador
- Rhinophylla fischeriae*⁴²
Brazil, Colombia, Ecuador, Peru
- Sturnira aratathomasi*⁴²
Colombia, Ecuador, Peru, Venezuela
- Sturnira bidens*⁴²
Brazil?, Colombia, Ecuador, Peru, Venezuela
- Sturnira magna*⁴²
Bolivia, Colombia, Ecuador, Peru
- Sturnira mordax*⁴²
Costa Rica, Panama
- Tonatia evotis*⁴²
Belize, Guatemala, Honduras
- Vampyressa bidens*⁴²
Bolivia, Brazil, Colombia, Guyana, Peru, Suriname, Venezuela
- Vampyressa melissa*⁴²
Colombia, French Guiana, Peru
- Vampyrum spectrum*⁴²
Belize, Brazil, Colombia, Costa Rica, Ecuador, French Guiana, Guatemala, Guyana, Honduras, Jamaica, Mexico, Nicaragua, Peru, Suriname, Trinidad and Tobago, Venezuela
- Family NATALIDAE
- Natalus lepidus*⁴²
Bahamas, Cuba
- Family VESPERTILIONIDAE
- Chalinobus beatrix*⁴²
Congo, Côte d'Ivoire, Guinea-Bissau?, Kenya
- Chalinobus egeria*⁴²
Cameroon, Uganda
- Chalinobus gleni*⁴²
Cameroon, Uganda
- Chalinobus picatus*⁴²
Australia

- Chalinolobus poensis*⁴²
Côte d'Ivoire, Equatorial Guinea,
Gambia, Ghana?, Nigeria, Senegal,
Sierra Leone, Zaire
- Chalinolobus tuberculatus*⁴²
New Zealand
- Eptesicus bobrinski*⁴²
Iran?, Kazakhstan, Turkmenistan,
Uzbekistan
- Eptesicus brunneus*⁴²
Cameroon, Equatorial Guinea
(Bioko), Ghana, Liberia, Nigeria,
Sierra Leone, Zaire
- Eptesicus caurinus*⁴²
Australia
- Eptesicus douglasorum*⁴²
Australia
- Eptesicus floweri*⁴²
Mali, Sudan
- Eptesicus guineensis*⁴²
Ethiopia, Ghana, Guinea, Senegal,
Sierra Leone, Zaire
- Eptesicus pachyotis*⁴²
India, Myanmar, Thailand
- Eudiscopus denticulus*⁴²
Laos, Myanmar
- Glischropus javanus*⁴²
Javan Thick-thumbed Bat
Indonesia
- Harpiocephalus mordax*⁴²
Malaysia, Myanmar, Thailand
- Histiotus macrotus*⁴²
Argentina, Bolivia, Chile, Peru
- Histiotus velatus*⁴²
Brazil, Paraguay
- Ia ia*⁴²
China, India, Laos, Thailand, Viet
Nam
- Kerivoula cuprosa*⁴²
Cameroon, Kenya, Zaire
- Kerivoula intermedia*⁴²
Malaysia
- Kerivoula minuta*⁴²
Malaysia, Thailand
- Kerivoula smithi*⁴²
Cameroon, Côte d'Ivoire, Kenya,
Liberia, Nigeria, Zaire
- Laephotis angolensis*⁴²
Angola, Zaire
- Laephotis botswanae*⁴²
Botswana, Malawi, South Africa,
Zaire, Zambia, Zimbabwe
- Laephotis wintoni*⁴²
Ethiopia, Kenya, South Africa
- Lasiurus egregius*⁴²
Brazil, French Guiana, Panama
- Miniopterus fraterculus*⁴²
Angola, Madagascar, Malawi,
Mozambique, South Africa, Zambia
- Miniopterus minor*⁴²
Comoros, Congo, Kenya,
Madagascar, São Tomé & Príncipe,
Tanzania, Zaire
- Miniopterus schreibersi*⁴²
Afghanistan, Albania, Algeria,
Angola, Australia, Austria,
Azerbaijan, Bosnia and Herzegovina,
Botswana, Bulgaria, Cameroon,
Central African Republic, China,
Croatia, Ethiopia, France, Gambia?,
Germany, Ghana, Gibraltar, Greece,
Guinea, Hong Kong, Hungary, India,
Indonesia, Iran, Iraq, Israel, Italy,
Japan, Jordan, Kenya, Lebanon,
Macedonia, Madagascar, Malawi,
Malaysia, Malta, Morocco,
Mozambique, Myanmar, Namibia,
Nepal, Papua New Guinea,
Philippines, Portugal, Romania,
Rwanda?, Saudi Arabia, Sierra
Leone, Slovakia, Slovenia, Solomon
Islands, Somalia?, South Africa,
Spain, Sri Lanka, Sudan,
Switzerland, Syria, Taiwan,
Tajikistan, Tanzania, Thailand,
Tunisia, Turkey, Turkmenistan,
Uganda, Ukraine, Uzbekistan, Viet
Nam, Yemen, Yugoslavia, Zaire,
Zambia, Zimbabwe
- Murina aenea*⁴²
Malaysia
- Murina aurata*⁴²
China, Myanmar, Nepal
- Murina huttoni*⁴²
China, India, Malaysia, Thailand,
Viet Nam
- Murina rozendaali*⁴²
Malaysia
- Murina silvatica*⁴²
Japan
- Myotis annectans*⁴²
India, Indonesia, Myanmar, Thailand
- Myotis bombinus*⁴²
China, Japan, Russia
- Myotis chiloensis*⁴²
Chile
- Myotis fortidens*⁴²
Guatemala, Mexico
- Myotis frater*⁴²
China, Japan, North Korea, Russia,
South Korea
- Myotis goudoti*⁴²
Comoros, Madagascar
- Myotis hosonoi*⁴²
Japan
- Myotis macrodactylus*⁴²
Japan, Russia
- Myotis macrotarsus*⁴²
Malaysia, Philippines
- Myotis martiniquensis*⁴²
Barbados, Martinique
- Myotis montivagus*⁴²
China, India, Malaysia, Myanmar,
Thailand
- Myotis myotis*⁴²
Greater Mouse-eared Bat
Albania, Austria, Belarus, Belgium,
Bulgaria, Cyprus, Czech Republic,
France, Germany, Greece, Hungary,
Israel, Italy, Jordan, Lebanon,
Liechtenstein, Luxembourg, Malta,
Netherlands, Poland, Portugal
(Azores), Romania, Slovakia,
Slovenia, Spain, Switzerland, Syria,
Turkey, Ukraine, United Kingdom
(ex?), Yugoslavia
- Myotis nesopolus*⁴²
Colombia, Venezuela
- Myotis pequinius*⁴²
China
- Myotis ricketti*⁴²
China
- Myotis ridleyi*⁴²
Indonesia, Malaysia
- Myotis rosseti*⁴²
Cambodia, Thailand
- Nyctalus aviator*⁴²
China, Japan, North Korea, South
Korea
- Nyctalus lasiopterus*⁴²
Bosnia and Herzegovina, Bulgaria,
Croatia, France, Greece, Hungary,
Iran, Italy, Kazakhstan, Libya,
Macedonia, Moldova, Morocco,
Portugal, Romania, Slovakia,
Slovenia, Spain, Switzerland,
Turkey, Ukraine, Yugoslavia
- Nyctalus leisleri*⁴²
Afghanistan, Algeria, Armenia?,
Austria, Azerbaijan?, Belgium,
Bosnia and Herzegovina, Bulgaria,
China, Croatia, Czech Republic,
France, Georgia?, Germany, Greece,
Hungary, India, Iran, Ireland, Italy,
Kazakhstan?, Latvia, Libya,
Lithuania, Luxembourg, Macedonia,
Moldova, Netherlands, Pakistan,
Poland, Portugal (Madeira),
Romania, Slovakia, Slovenia, Spain
(Canary Is), Switzerland,
Turkmenistan, Ukraine, United
Kingdom, Uzbekistan?, Yugoslavia
- Nyctalus montanus*⁴²
Afghanistan, India, Nepal, Pakistan



- Nycticeius rueppellii*⁴²
Australia
- Nyctophilus daedalus*⁴²
Australia
- Nyctophilus sherrini*⁴²
Australia
- Nyctophilus walkeri*⁴²
Australia
- Pipistrellus ariel*⁴²
Egypt, Sudan
- Pipistrellus bodenheimeri*⁴²
Israel, Oman, Yemen
- Pipistrellus cadornae*⁴²
India, Myanmar, Thailand
- Pipistrellus kitcheneri*⁴²
Indonesia
- Pipistrellus macrotis*⁴²
Brunei, Indonesia, Malaysia
- Pipistrellus mordax*⁴²
Indonesia, Philippines?
- Pipistrellus muscivulus*⁴²
Cameroon, Gabon, Zaire
- Pipistrellus papuanus*⁴²
Indonesia, Papua New Guinea
- Pipistrellus paterculus*⁴²
China, India, Myanmar, Thailand
- Pipistrellus pulveratus*⁴²
China, Hong Kong, Thailand
- Pipistrellus watti*⁴²
Papua New Guinea
- Rhogeessa alleni*⁴²
Mexico
- Rhogeessa genowaysi*⁴²
Mexico
- Rhogeessa gracilis*⁴²
Mexico
- Rhogeessa minutilla*⁴²
Colombia, Venezuela
- Rhogeessa mira*⁴²
Mexico
- Rhogeessa parvula*⁴²
Mexico
- Scotoecus albofuscus*⁴²
Equatorial Guinea, Gambia, Ghana, Kenya, Malawi, Mozambique, Nigeria, Senegal, Sierra Leone, Sudan
- Scotomanes ornatus*⁴²
China, India, Myanmar, Thailand, Viet Nam
- Scotophilus nigrata*⁴²
Ghana, Kenya, Malawi, Mozambique, Nigeria, Senegal, Sudan, Togo, Zaire, Zimbabwe
- Scotophilus robustus*⁴²
Madagascar
- Family **MOLOSSIDAE**
- Chaerephon bregullae*⁴²
Fiji, Vanuatu
- Chaerephon chapini*⁴²
Angola, Botswana, Ethiopia, Namibia, Uganda, Zaire, Zambia, Zimbabwe
- Chaerephon johorensis*⁴²
Indonesia, Malaysia
- Chaerephon solomonis*⁴²
Solomon Islands
- Cheiromeles parvidens*⁴²
Indonesia, Philippines
- Cheiromeles torquatus*⁴²
Indonesia, Malaysia, Philippines
- Eumops underwoodi*⁴²
Belize, El Salvador, Honduras, Nicaragua, USA
- Molossops abrasus*⁴²
Argentina, Bolivia, Brazil, Guyana, Paraguay, Peru, Suriname, Venezuela
- Molossops matogrossensis*⁴²
Brazil, Guyana, Venezuela
- Molossus aztecus*⁴²
Guatemala, Honduras, Mexico, Nicaragua
- Molossus coibensis*⁴²
Brazil, Costa Rica, El Salvador, Mexico, Panama, Peru, Venezuela
- Mops congicus*⁴²
Cameroon, Gambia?, Ghana, Nigeria, Uganda, Zaire
- Mops demonstrator*⁴²
Burkina Faso, Sudan, Uganda, Zaire
- Mops petersoni*⁴²
Cameroon, Ghana, Sierra Leone?
- Mops sarsasinorum*⁴²
Indonesia, Philippines
- Mops trevori*⁴²
Uganda, Zaire
- Tadarida australis*⁴²
Australia, Indonesia, Papua New Guinea
- Tadarida brasiliensis*⁴²
Antigua and Barbuda, Argentina, Bahamas, Belize, Bolivia, Brazil, Cayman Islands, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Guadeloupe, Guatemala, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Netherlands Antilles, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, St Kitts and Nevis, St Lucia, Trinidad and Tobago, Turks and Caicos Islands, USA, Uruguay, Venezuela
- Tadarida espirosantensis*⁴²
Brazil
- Tadarida fulminans*⁴²
Kenya, Madagascar, Malawi, Rwanda, South Africa, Tanzania, Zaire, Zambia, Zimbabwe
- Tadarida ventralis*⁴²
Ethiopia, Kenya, Malawi, Mozambique, South Africa, Sudan, Tanzania, Zaire
- Order **PRIMATES**
- Family **CHEIROGALEIDAE**
- Phaner furcifer*¹⁵
Fork-marked Lemur
Madagascar
- Family **LORIDAE**
- Arctocebus aureus*¹⁴³
Golden Potto
Cameroon, Central African Republic?, Congo, Equatorial Guinea, Gabon, Zaire?
- Arctocebus calabarensis*¹⁴³
Angwantibo
Cameroon, Nigeria
- Family **GALAGONIDAE**
- Euoticus elegantulus*¹⁴³
Western Needle-clawed Galago
Angola?, Cameroon, Central African Republic, Congo, Equatorial Guinea, Gabon, Zaire
- Euoticus pallidus*¹⁴³
Northern Needle-clawed
Cameroon, Equatorial Guinea, Nigeria
- Galago alleni*¹⁴³
Allen's Galago
Angola?, Cameroon, Central African Republic, Congo, Equatorial Guinea, Gabon, Nigeria
- Galago gallarum*¹⁴³
Somali Galago
Ethiopia?, Kenya, Somalia
- Galago matschiei*¹⁴³
Lesser Needle-clawed Galago
Burundi?, Rwanda?, Uganda, Zaire
- Galago zanzibaricus*¹⁴³
Zanzibar Galago
Kenya, Malawi, Mozambique, Somalia, Tanzania, Zimbabwe
- Otolemur garnettii*¹⁴³
Small-eared Greater Galago
Kenya, Somalia, Tanzania

Family **CERCOPITHECIDAE**

*Allenopithecus nigroviridis*¹⁴³

Allen's Swamp Monkey
Cameroon, Congo, Zaïre

*Cercocebus atys*¹⁴³

Sooty Mangabey
Côte d'Ivoire, Ghana, Guinea,
Guinea-Bissau, Liberia, Senegal,
Sierra Leone

*Cercocebus galeritus*¹⁴³

Crested Mangabey
Cameroon, Central African Republic,
Congo, Equatorial Guinea, Gabon,
Kenya, Tanzania, Zaïre

*Cercocebus torquatus*¹⁴³

Red-capped Mangabey
Cameroon, Congo, Côte d'Ivoire,
Equatorial Guinea, Gabon, Ghana,
Guinea, Liberia, Nigeria, Senegal,
Sierra Leone

*Cercopithecus hamlyni*¹⁴³

Owl-faced Monkey
Rwanda, Uganda?, Zaïre

*Cercopithecus lhoesti*¹⁴³

L'Hoest's Monkey
Burundi, Rwanda, Uganda, Zaïre

*Colobus polykomos*¹⁴³

Western Black-and-white Colobus
Côte d'Ivoire, Gambia, Guinea,
Guinea-Bissau, Liberia, Senegal?,
Sierra Leone

*Lophocebus aterrimus*¹⁴³

Black Mangabey
Angola, Zaïre

*Macaca fascicularis*¹⁴³

Crab-eating Macaque
Brunei?, Cambodia, India (Andaman
& Nicobar Is), Indonesia, Laos,
Malaysia, Myanmar, Philippines,
Thailand, Viet Nam

*Macaca hecki*¹⁴³

Heck's Macaque
Indonesia

*Macaca mulatta*¹⁴³

Rhesus Macaque
Afghanistan, Bangladesh, Bhutan,
China, India, Laos, Myanmar, Nepal,
Pakistan, USA [int], Viet Nam

*Macaca sinica*¹⁴³

Toque Macaque
Sri Lanka

*Macaca tonkeana*¹⁴³

Tonkean Macaque
Indonesia

*Mandrillus sphinx*¹⁴³

Mandrill
Cameroon, Congo, Equatorial
Guinea, Gabon

*Papio hamadryas*¹⁴³

Hamadryas Baboon
Djibouti, Egypt (ex), Eritrea,
Ethiopia, Saudi Arabia, Somalia,
Sudan, Yemen

*Papio papio*¹⁴³

Guinea Baboon
Gambia, Guinea, Guinea-Bissau?,
Mali, Mauritania, Senegal, Sierra
Leone

*Presbytis femoralis*¹⁴³

Indonesia, Malaysia, Thailand

*Presbytis thomasi*¹⁴³

Indonesia

*Procolobus badius*¹⁴³

Red Colobus
Burundi, Cameroon, Central African
Republic, Congo, Côte d'Ivoire,
Equatorial Guinea, Gambia, Ghana,
Guinea, Guinea-Bissau, Kenya,
Liberia, Nigeria, Senegal, Sierra
Leone, Tanzania, Uganda, Zaïre

*Procolobus verus*¹⁴³

Olive Colobus
Benin?, Côte d'Ivoire, Ghana,
Guinea, Liberia, Nigeria, Sierra
Leone, Togo (ex?)

*Semnopithecus entellus*¹⁴³

Bangladesh, Bhutan, China, India,
Nepal, Pakistan, Sri Lanka

*Theropithecus gelada*¹⁴³

Gelada Baboon
Ethiopia

*Trachypithecus cristatus*¹⁴³

Brunei?, Cambodia, India, Indonesia,
Laos, Malaysia, Myanmar,
Singapore?, Thailand, Viet Nam

Family **HYLOBATIDAE**

*Hylobates agilis*¹⁴³

Indonesia, Malaysia, Thailand

*Hylobates lar*¹⁴³

China, Indonesia, Malaysia,
Myanmar, Thailand

*Hylobates muelleri*¹⁴³

Brunei, Indonesia, Malaysia

*Hylobates syndactylus*¹⁴³

Indonesia, Malaysia

Order **CARNIVORA**

Family **CANIDAE**

*Crysacyon brachyurus*³⁶

Maned Wolf
Argentina, Bolivia, Brazil, Paraguay,
Peru, Uruguay?

Family **FELIDAE**

*Catopuma temmincki*⁴⁰

Asiatic Golden Cat
Bangladesh, Bhutan, Cambodia,
China, India, Indonesia, Laos,
Malaysia, Myanmar, Nepal,
Thailand, Viet Nam

*Leopardus tigrinus*⁴⁰

Little Spotted Cat
Argentina, Bolivia?, Brazil,
Colombia, Costa Rica, Ecuador,
French Guiana, Guyana, Nicaragua?,
Paraguay?, Suriname, Venezuela

*Panthera onca*⁴⁰

Jaguar
Argentina, Belize, Bolivia, Brazil,
Colombia, Costa Rica, Ecuador,
French Guiana, Guatemala, Guyana,
Honduras, Mexico, Nicaragua,
Panama, Paraguay, Peru, Suriname,
Venezuela

*Prionailurus viverrinus*⁴⁰

Fishing Cat
Bangladesh, Bhutan, Brunei,
Cambodia, China, India, Indonesia,
Laos, Malaysia, Myanmar, Nepal,
Pakistan (ex?), Sri Lanka, Thailand,
Viet Nam

Family **MUSTELIDAE**

*Aonyx cinerea*¹²⁷

Oriental Small-clawed Otter
Bangladesh, Bhutan, Brunei,
Cambodia, China, India, Indonesia,
Laos, Malaysia, Myanmar, Nepal,
Philippines, Singapore, Thailand,
Viet Nam

*Aonyx congica*¹²⁷

Burundi?, Cameroon, Central
African Republic, Congo, Gabon,
Niger?, Rwanda, Uganda, Zaïre

Family **PHOCIDAE**

*Phoca sibirica*¹⁵³

Baikal Seal
Russia
[L. Baikal]

Family **PROCYONIDAE**

*Bassaricyon beddardi*¹¹⁷

Guyana, Venezuela?

*Bassaricyon gabbii*¹¹⁷

Colombia, Costa Rica, Ecuador,
Nicaragua, Panama

*Bassariscus sumichrasti*¹¹⁷

Belize, Costa Rica, El Salvador,
Guatemala, Honduras?, Mexico,
Nicaragua, Panama



Order CETACEA

Family BALAENOPTERIDAE

*Balaenoptera acutorostrata*⁴¹

Minke Whale

[Arctic Sea, Atlantic (eastern central, northeast, northwest, western central), Mediterranean and Black Sea]

Order PERISSODACTYLA

Family TAPIRIDAE

*Tapirus terrestris*¹⁷¹

Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Suriname, Venezuela

Order ARTIODACTYLA

Family SUIDAE

*Sus philippensis*¹³⁵

Philippine Warty Pig
Philippines

Family TRAGULIDAE

*Hyemoschus aquaticus*⁵⁹

Cameroon, Central African Republic, Congo, Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea?, Liberia, Nigeria, Sierra Leone, Uganda, Zaire

Family MOSCHIDAE

*Moschus berezovskii*⁵⁹

Forest Musk Deer

China, Myanmar, Viet Nam

*Moschus chrysogaster*⁵⁹

Afghanistan, China, India, Nepal, Pakistan

*Moschus fuscus*⁵⁹

Black Musk Deer

Bhutan, China, India, Myanmar, Nepal

Family CERVIDAE

*Hydropotes inermis*⁵⁹

Chinese Water Deer

China

*Mazama rufina*⁵⁹

Little Red Brocket Deer

Ecuador, Venezuela

*Ozotoceros bezoarticus*⁵⁹

Pampas Deer

Argentina, Bolivia, Brazil, Paraguay, Uruguay

*Pudu mephistophiles*⁵⁹

Northern Pudu

Colombia, Ecuador, Peru

Family BOVIDAE

*Capra pyrenaica*³⁷

Spanish Ibex

Portugal (ex), Spain

*Cephalophus callipygus*⁹

Peters' Duiker

Cameroon, Central African Republic, Congo, Equatorial Guinea, Gabon

*Cephalophus dorsalis*⁹

Bay Duiker

Angola, Benin?, Cameroon, Central African Republic, Congo, Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea, Guinea-Bissau, Liberia, Nigeria, Sierra Leone, Togo, Uganda (ex), Zaire

*Cephalophus leucogaster*⁹

White-bellied Duiker

Cameroon, Central African Republic, Congo, Equatorial Guinea, Gabon, Uganda (ex), Zaire

*Cephalophus maxwellii*⁹

Maxwell's Duiker

Benin, Burkina Faso, Côte d'Ivoire, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Nigeria, Senegal, Sierra Leone, Togo

*Cephalophus niger*⁹

Black Duiker

Benin?, Côte d'Ivoire, Ghana, Guinea, Liberia, Nigeria, Sierra Leone, Togo

*Cephalophus nigrifrons*⁹

Black-fronted Duiker

Angola, Burundi, Cameroon, Central African Republic, Congo, Equatorial Guinea?, Gabon, Kenya, Rwanda, Uganda, Zaire

*Cephalophus ogilbyi*⁹

Ogilby's Duiker

Cameroon, Congo?, Côte d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea?, Liberia, Nigeria, Sierra Leone

*Cephalophus silvicultor*⁹

Yellow-backed Duiker

Angola, Benin, Burkina Faso, Burundi (ex?), Cameroon, Central African Republic, Chad, Congo, Côte d'Ivoire, Equatorial Guinea, Guinea-Bissau, Kenya, Liberia, Nigeria, Rwanda (ex?), Senegal, Sierra Leone, Sudan, Togo, Uganda, Zaire, Zambia

*Cephalophus weynsi*⁹

Weyn's Duiker

Burundi, Kenya, Rwanda, Sudan, Tanzania, Uganda, Zaire

*Gazella dorcas*⁹

Dorcas Gazelle

Algeria, Burkina Faso, Chad, Djibouti, Egypt, Eritrea, Ethiopia, Israel, Libya, Mali, Mauritania, Morocco, Niger, Nigeria?, Senegal (ex), Somalia, Sudan, Tunisia, Western Sahara

*Gazella subgutturosa*⁹

Goitred Gazelle

Afghanistan, Armenia (ex), Azerbaijan, Bahrain, China, Georgia(ex), Iran, Iraq, Jordan, Kazakhstan, Kuwait, Kyrgyzstan, Mongolia, Oman, Pakistan, Saudi Arabia, Syria (ex), Tajikistan, Turkey, United Arab Emirates, Uzbekistan, Yemen

*Kobus megaceros*⁹

Nile Lechwe

Ethiopia, Sudan

*Naemorhedus goral*³⁷

Himalayan Goral

Bhutan, India, Nepal, Pakistan

*Neotragus batesi*⁹

Bates' Pygmy Antelope

Cameroon, Central African Republic, Congo, Equatorial Guinea, Gabon, Nigeria, Uganda, Zaire

*Neotragus pygmaeus*⁹

Royal Antelope

Côte d'Ivoire, Ghana, Guinea, Liberia, Sierra Leone

*Okapia johnstoni*⁹

Okapi

Uganda?, Zaire

*Procapra gutturosa*⁹

Mongolian Gazelle

China, Mongolia, Russia

*Procapra picticaudata*⁹

Tibetan Gazelle

Bhutan?, China, India

*Pseudois nayaur*³⁷

Blue Sheep

China, India, Pakistan, Tajikistan

*Taurotragus derbianus*⁹

Giant Eland

Cameroon, Central African Republic, Chad (ex?), Côte d'Ivoire (ex), Gambia (ex), Ghana (ex), Guinea-Bissau, Mali (ex), Nigeria (ex), Senegal, Sudan, Togo (ex), Uganda (ex?), Zaire

*Tragelaphus eurycerus*⁹

Bongo

Benin (ex?), Cameroon, Central African Republic, Congo, Côte d'Ivoire, Gabon, Ghana, Guinea, Kenya, Liberia, Sierra Leone, Sudan, Togo (ex?), Uganda (ex), Zaire

*Tragelaphus spekii*⁹

Sitatunga

Angola, Benin, Botswana, Burundi, Cameroon, Central African Republic, Chad, Congo, Côte d'Ivoire?, Equatorial Guinea, Gabon, Gambia, Ghana (ex?), Guinea, Guinea-Bissau, Kenya, Mozambique, Namibia, Niger (ex), Nigeria, Rwanda, Senegal, Sierra Leone (ex?), Sudan, Tanzania, Togo (ex?), Uganda, Zaire, Zambia, Zimbabwe

Order **PHOLIDOTA**

Family **MANIDAE**

*Manis crassicaudata*¹³⁰

Indian Pangolin
Bangladesh, China, India, Pakistan, Sri Lanka

*Manis javanica*¹³⁰

Malayan Pangolin
Bangladesh?, Brunei, Cambodia, China?, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore (ex?), Thailand, Viet Nam

*Manis pentadactyla*¹³⁰

Chinese Pangolin
Bangladesh?, Cambodia, China, Hong Kong, India, Laos, Myanmar, Nepal, Taiwan, Thailand, Viet Nam

*Manis temminckii*¹³⁰

Temminck's Ground Pangolin
Angola, Botswana, Central African Republic, Chad, Ethiopia, Kenya, Malawi, Mozambique, Namibia, Rwanda, Somalia, South Africa, Sudan, Tanzania, Uganda, Zaire, Zambia, Zimbabwe

Order **RODENTIA**

Family **SCIURIDAE**

*Aeretes melanopterus*¹⁵

China

*Belomys pearsonii*¹⁵

Bhutan, China, India, Laos, Myanmar, Nepal, Taiwan, Thailand, Viet Nam

*Eoglaucomyus fimbriatus*¹⁵

India, Pakistan

*Epixerus ebii*¹⁵

Côte d'Ivoire, Ghana, Liberia, Sierra Leone

*Epixerus wilsoni*¹⁵

Cameroon, Equatorial Guinea, Gabon

*Funisciurus isabella*¹⁵

Cameroon, Central African Republic, Congo

*Hylometes barberi*¹⁵

Afghanistan

*Hylometes bartelsi*¹⁵

Indonesia

*Hylometes nigripes*¹⁵

Philippines

*Lariscus niobe*¹⁵

Indonesia

*Lariscus obscurus*¹⁵

Indonesia

*Marmota caudata*¹⁵

Armenia, Azerbaijan, China, India, Kyrgyzstan, Pakistan, Tajikistan

*Paraxerus alexandri*¹⁵

Uganda, Zaire

*Petaurista magnificus*¹⁵

Bhutan, China, India, Nepal

*Petaurista nobilis*¹⁵

Bhutan, India, Nepal

*Petinomys lugens*¹⁵

Indonesia

*Prosciurillus weberi*¹⁵

Indonesia

*Pteromys volans*⁸

Russian Flying Squirrel
China, Finland, Japan, Mongolia, North Korea, Russia, South Korea

*Pteromyscus pulverulentus*¹⁵

Brunei, Indonesia, Malaysia, Thailand

*Sciurus anomalus*⁸

Persian Squirrel
Armenia, Azerbaijan, Georgia, Greece, Iran, Iraq, Israel, Lebanon, Syria, Turkey

*Sciurus arizonensis*¹⁵

Mexico, USA

*Sciurus richmondi*¹⁵

Nicaragua

*Sciurus sanborni*¹⁵

Peru

*Sciurus vulgaris*⁸

Red Squirrel
Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Japan, Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Yugoslavia

*Spermophilus madrensis*¹⁵

Mexico

*Spermophilus major*¹⁵

Russia

*Spermophilus perotensis*¹⁵

Mexico

*Sundasciurus brookei*¹⁵

Indonesia, Malaysia

*Sundasciurus moellendorffi*⁸⁶

Philippines

*Sundasciurus steerii*⁸⁶

Philippines

*Syntheosciurus brochus*¹⁵

Mountain Squirrel
Costa Rica, Panama

Family **CASTORIDAE**

*Castor fiber*⁷⁵

Eurasian Beaver
Austria, Belarus, China, Czech Republic, Estonia, Finland, France, Germany, Hungary, Latvia, Lithuania, Moldova?, Mongolia, Netherlands, Norway, Poland, Russia, Slovakia, Sweden, Switzerland, Ukraine

Family **GEOMYIDAE**

*Orthogeomys cherriei*¹⁵

Costa Rica

*Pappogeomys fumosus*¹⁵

Mexico

*Pappogeomys tylorhinus*¹⁵

Mexico

*Pappogeomys zinseri*¹⁵

Mexico

*Thomomys umbrinus*¹⁵

Mexico, USA

Family **HETEROMYIDAE**

*Dipodomys nitratoideus*⁸²

San Joaquin Kangaroo Rat
USA

*Dipodomys phillipsii*¹⁵

Mexico

*Heteromys goldmani*¹⁵

Mexico

*Heteromys oresterus*¹⁵

Costa Rica

*Liomys adspersus*¹⁵

Panama

*Liomys spectabilis*¹⁵

Mexico

*Perognathus alticola*⁸²

White-eared Pocket Mouse
USA

*Perognathus amplus*¹⁵

Mexico, USA

Family **DIPODIDAE**

*Allactaga bullata*¹⁵

China, Mongolia



- Allactaga euphratica*¹⁵
Afghanistan, Iran, Iraq, Jordan,
Kuwait, Saudi Arabia, Syria, Turkey
- Jaculus orientalis*¹⁵
Algeria, Egypt, Israel, Libya,
Morocco, Saudi Arabia, Tunisia
- Pygeretmus shirkovi*¹⁵
Kazakhstan
[L. Balkhash]
- Salpingotus heptneri*¹⁵
Kazakhstan, Russia, Uzbekistan
- Salpingotus kozlovi*¹⁵
China, Mongolia
- Sicista betulina*⁸
Northern Birch Mouse
Austria, Azerbaijan, China, Czech
Republic, Denmark, Finland,
Georgia, Germany, Hungary,
Kazakhstan, Mongolia, Norway,
Poland, Romania, Russia, Slovakia,
Sweden, Ukraine
- Sicista subtilis*⁸
Southern Birch Mouse
Austria, Bosnia and Herzegovina,
Bulgaria, China, Croatia, Czech
Republic, Hungary, Kazakhstan,
Macedonia, Moldova, Romania,
Russia, Slovakia, Slovenia, Ukraine,
Yugoslavia
- Family MURIDAE
- Acomys nesiotis*¹⁵
Cyprus
- Aethomys stannarius*¹⁶⁹
Cameroon, Nigeria
- Akodon sanctipaulensis*¹⁵
Brazil
- Alticola albicauda*¹⁵
India, Pakistan
- Alticola roylei*¹⁵
China, India
- Apodemus semotus*¹⁵
Taiwan
- Arvicola sapidus*⁸
Southern Water Vole
France, Portugal, Spain
- Beamys major*¹⁵
Greater Hamster-rat
Malawi, Tanzania, Zambia
- Bibimys torresi*⁴⁸
Argentina
- Blanfordimys bucharicus*¹⁵
Afghanistan?, Tajikistan
- Blarinomys breviceps*¹⁵
Brazil
- Brachyuromys betsileoensis*¹⁵
Madagascar
- Brachyuromys ramirohitra*¹⁵
Madagascar
- Bunomys fratrorum*¹⁵
Indonesia
- Bunomys heinrichi*¹⁵
Indonesia
- Calomyscus mystax*¹⁵
Afghanistan, Iran, Turkmenistan
- Calomyscus tsolovi*¹⁵
Syria
- Calomyscus urartensis*¹⁵
Azerbaijan, Iran
- Celaenomys silaceus*⁸⁶
Philippines
- Chibchanomys trichotis*⁴⁸
Colombia, Peru, Venezuela
- Chionomys gud*¹⁵
Georgia, Russia, Turkey
- Chionomys nivalis*⁸
Snow Vole
Armenia, Australia, Azerbaijan,
Bosnia and Herzegovina, Bulgaria,
Croatia, Czech Republic, France,
Georgia, Greece, Israel, Italy,
Lebanon, Macedonia, Poland,
Romania, Slovakia, Slovenia, Spain,
Switzerland, Syria, Turkey, Ukraine,
Yugoslavia
- Chionomys roberti*¹⁵
Georgia, Russia, Turkey
- Chiropodomys muroides*¹⁵
Malaysia
- Clethrionomys sikotanensis*¹⁷³
Japan, Russia
- Cricetulus migratorius*⁸
Grey Hamster
Afghanistan, Bulgaria, China,
Greece, Iran, Iraq, Israel, Jordan,
Kazakhstan, Lebanon, Moldova,
Mongolia, Pakistan, Romania,
Russia, Turkey, Ukraine
- Dasymys foxi*¹⁵
Nigeria
- Dendromus kahuziensis*¹⁵
Zaire
- Dendromus lovati*¹⁵
Ethiopia
- Dendroprionomys rousseloti*¹⁵
Congo
- Dinaromys bogdanovi*⁸
Balkan Snow Vole
Bosnia and Herzegovina, Croatia,
Macedonia, Slovenia, Yugoslavia
- Diomys crumpi*¹⁵
India, Nepal
- Diplothrix legatus*¹⁵
Ryukyu Long-tailed Giant Rat
Japan (Nansei-shoto)
- Eliurus webbi*¹⁵
Madagascar
- Gerbillus nancillus*¹⁵
Sudan
- Gerbillus poecilops*⁸⁵
Saudi Arabia, Yemen
- Gerbillus riggenbachi*¹⁵
Western Sahara
- Grammomys minnae*¹⁵
Ethiopia
- Habromys lepturus*¹⁵
Mexico
- Hapalomys delacouri*¹⁵
China, Viet Nam
- Hapalomys longicaudatus*¹⁵
Myanmar
- Hodomys alleni*¹⁵
Mexico
- Hybomys basili*¹⁵
Equatorial Guinea (Bioko)
- Hydromys habbema*¹⁵
Indonesia, Papua New Guinea
- Hydromys hussoni*¹⁵
Indonesia, Papua New Guinea
- Hydromys shawmayeri*¹⁵
Indonesia, Papua New Guinea
- Ichthyomys hydrobates*⁴⁸
Colombia, Ecuador, Venezuela
- Isthmomyomys pirrensis*¹⁵
Panama
- Juscelinomys candango*¹⁵
Brazil
- Kadarsanomys sodyi*¹⁵
Indonesia
- Lasiopodomys fuscus*¹⁵
China
- Leggadina forresti*¹⁵
Australia
- Leggadina lakedownensis*¹⁵
Lakeland Downs Mouse
Australia
- Lemniscomys roseveari*¹⁶⁹
Zambia
- Lenoxus apicalis*⁴⁸
Bolivia, Peru
- Lophuromys mediceaudatus*¹⁶⁹
Rwanda, Zaire
- Lophuromys melanonyx*¹⁵
Ethiopia
- Lophuromys rahmi*¹⁵
Rwanda, Zaire
- Malacomys lukolelae*¹⁶⁹
Zaire
- Mallomys istapantap*¹⁵
Indonesia, Papua New Guinea

- Mastomys verheyeni*¹⁵
Cameroon, Nigeria
- Maxomys hylomyoides*¹⁵
Indonesia
- Maxomys pagensis*¹⁵
Indonesia
- Maxomys panglima*¹⁵
Philippines
- Megadontomys cryophilus*¹⁵
Mexico
- Melomys aereus*¹⁵
Indonesia
- Melomys bougainville*¹⁵
Solomon Islands
- Melomys fraterculus*¹⁵
Indonesia
- Melomys obiensis*¹⁵
Indonesia
- Mesembriomys gouldii*¹⁵
Australia
- Microdillus peeli*¹⁵
Somalia
- Microhydromys richardsoni*¹⁵
Indonesia, Papua New Guinea
- Micromys minutus*⁸
Harvest Mouse
Armenia?, Austria, Azerbaijan?,
Belarus, Belgium, Bosnia and
Herzegovina, Bulgaria, China,
Croatia, Czech Republic, Denmark,
Estonia, Finland, France, Georgia,
Germany, Hungary, India, Italy,
Japan, Latvia, Lithuania, Macedonia,
Mongolia, Netherlands, North Korea,
Poland, Romania, Russia, Slovenia,
South Korea, Spain, Switzerland,
Taiwan, Turkey, Ukraine, United
Kingdom, Yugoslavia
- Microtus cabrerai*⁸
Cabrera's Vole
France, Portugal, Spain
- Microtus feltini*⁸
Albania, Bosnia and Herzegovina,
Croatia, Greece, Macedonia,
Slovenia, Yugoslavia
- Microtus guentheri*⁸
Bosnia and Herzegovina, Bulgaria,
Croatia, Greece, Macedonia,
Slovenia, Turkey, Yugoslavia
- Microtus nasarovi*¹⁵
Russia
- Microtus oaxacensis*¹⁵
Mexico
- Microtus oeconomus*⁸
Root Vole
Austria, Belarus?, Canada, Czech
Republic, Finland, Germany,
Hungary, Kazakhstan, Mongolia,
Netherlands, Norway, Poland,
- Russia, Slovakia, Sweden, USA,
Ukraine
- Microtus sachalinensis*¹⁵
Russia
- Microtus tatricus*⁸
Tatra Vole
Poland, Romania, Slovakia, Ukraine
- Microtus thomasi*⁸
Albania, Bosnia and Herzegovina,
Croatia, Greece, Macedonia,
Slovenia, Yugoslavia
- Mus mayori*¹⁵
Sri Lanka
- Mus spicilegus*⁸
Steppe Mouse
Bosnia and Herzegovina, Bulgaria,
Croatia, Hungary, Macedonia,
Romania, Slovenia, Ukraine,
Yugoslavia
- Mus vulcani*¹⁵
Indonesia
- Myomys albipes*¹⁵
Ethiopia
- Myopus schisticolor*⁸
China, Finland, Mongolia, Norway,
Russia, Sweden
- Myospalax epsilon*¹⁵
China, Russia
- Myospalax rothschildi*¹⁵
China
- Myospalax smithii*¹⁵
China
- Neacomys pictus*¹⁵
Panama
- Neotoma magister*⁸²
Allegheny Woodrat
USA
- Neotoma palatina*¹⁵
Mexico
- Nesokia bunnii*¹⁵
Iraq
- Niviventer coxingi*¹⁵
Taiwan
- Niviventer culturatus*¹⁵
Taiwan
- Niviventer hinpoon*¹⁵
Thailand
- Natomys aquilo*¹⁵
Northern Hopping-mouse
Australia
- Natomys cervinus*¹⁵
Australia
- Oligoryzomys vegetus*¹⁵
Panama
- Oryzomys dimidiatus*¹⁵
Nicaragua
- Oryzomys levipes*¹⁵
Bolivia, Peru
- Oryzomys oniscus*¹⁵
Brazil
- Otomys anchietae*¹⁵
Angola, Kenya, Malawi, Tanzania
- Otomys denti*¹⁶⁹
Malawi, Tanzania, Uganda, Zambia
- Otomys saundersiae*¹⁵
South Africa
- Otomys sloggetti*¹⁵
South Africa
- Otomys typus*¹⁵
Ethiopia, Kenya, Malawi, Tanzania,
Uganda, Zambia
- Peromyscus grandis*¹⁵
Guatemala
- Peromyscus guardia*¹⁵
Mexico
- Peromyscus simulus*¹⁵
Mexico
- Peromyscus winkelmanni*¹⁵
Mexico
- Petromyscus monticularis*¹⁵
South Africa
- Phloeomys pallidus*⁸⁶
Philippines
- Phyllotis bonaeriensis*⁴⁸
Argentina
- Pithecheir melanurus*¹⁵
Indonesia
- Podoxymys roraimae*¹⁵
Guyana
- Praomys mutoni*¹⁶⁹
Zaire
- Prionomys batesi*¹⁵
Dollman's Tree Mouse
Cameroon, Central African Republic
- Proedromys bedfordi*¹⁵
China
- Pseudomys delicatulus*¹⁵
Australia
- Pseudomys desertor*¹⁵
Australia
- Pseudomys johnsoni*¹⁵
Australia
- Pseudomys nanus*¹⁵
Australia
- Rattus foramineus*¹⁵
Indonesia
- Rattus giluwensis*¹⁵
Giluwe Rat
Papua New Guinea
- Rattus hainaldi*¹⁵
Indonesia



- Rattus jobiensis*¹⁵
Indonesia
- Rattus koopmani*¹⁵
Indonesia
- Rattus sordidus*¹⁵
Australia
- Rattus tunneyi*¹⁵
Australia
- Reithrodontomys hirsutus*¹⁵
Mexico
- Reithrodontomys microdon*¹⁵
Guatemala, Mexico
- Reithrodontomys paradoxus*¹⁵
Costa Rica, Nicaragua
- Reithrodontomys zacatecae*¹⁵
Mexico
- Rheomys mexicanus*¹⁵
Mexico
- Rhipidomys caucensis*¹⁵
Colombia
- Rhipidomys ochrogaster*⁴⁸
Peru
- Solomys salebrosus*¹⁵
Papua New Guinea, Solomon Islands
- Srilankamys oriensis*¹⁵
Sri Lanka
- Steatomys cuppedius*¹⁵
Burkina Faso, Mali, Niger, Nigeria, Senegal
- Stenocephalemys albocaudata*¹⁶⁹
Ethiopia
- Stenocephalemys griseicauda*¹⁶⁹
Ethiopia
- Tachyoryctes daemon*¹⁵
Rwanda, Tanzania
- Tachyoryctes spalacinus*¹⁵
Kenya
- Taeromys punicans*¹⁵
Indonesia
- Thallomys shortridgei*¹⁶⁹
South Africa
- Thomasomys monochromos*¹⁵
Colombia
- Thomasomys notatus*¹⁵
Peru
- Tylomys fulviventris*¹⁵
Panama
- Uromys anak*¹⁵
Papua New Guinea
- Uromys hadrourus*¹⁵
Australia
- Volemys clarkei*¹⁵
China
- Xenomys nelsoni*¹⁵
Mexico
- Xenuromys barbatus*¹⁵
Rock-dwelling Rat
Indonesia, Papua New Guinea
- Family ANOMALURIDAE
- Anomalurus pelii*¹⁵
Côte d'Ivoire, Ghana, Liberia, Sierra Leone
- Idiurus macrotis*¹⁵
Benin, Cameroon, Central African Republic, Congo, Côte d'Ivoire, Gabon, Ghana, Guinea, Liberia, Nigeria, Sierra Leone, Togo, Zaïre
- Idiurus zenkeri*¹⁵
Cameroon, Central African Republic, Congo, Gabon, Uganda, Zaïre
- Zenkerella insignis*¹⁵
Flightless Scaly-tailed Squirrel
Cameroon, Central African Republic, Gabon
- Family MYOXIDAE
- Dryomys laniger*¹⁵
Turkey
- Dryomys nitedula*⁸
Forest Dormouse
Afghanistan, Austria, Belarus, Bulgaria, China, Czech Republic, Germany, Greece, Hungary, Iran, Iraq, Israel, Italy, Kazakhstan, Kyrgyzstan, Lithuania, Pakistan, Poland, Romania, Russia, Slovakia, Switzerland, Syria, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia
- Eliomys melanurus*¹⁵
Algeria, Egypt, Iraq, Israel, Jordan, Lebanon, Libya, Morocco, Saudi Arabia, Syria, Tunisia, Turkey
- Muscardinus avellanarius*¹⁷³
Common Dormouse
Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Macedonia, Netherlands, Poland, Romania, Russia, Slovakia, Slovenia, Sweden, Switzerland, Turkey, Ukraine, United Kingdom, Yugoslavia
- Myoxus glis*⁸
Fat Dormouse
Armenia?, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Estonia?, France, Georgia, Germany, Greece, Hungary, Iran, Italy, Latvia, Lithuania, Macedonia, Poland, Romania, Russia, Slovakia, Slovenia, Spain, Switzerland, Turkey, Turkmenistan, Ukraine, Yugoslavia
- Family BATHYERGIDAE
- Bathyergus janetta*¹⁵
Namibia, South Africa
- Cryptomys foxi*¹⁵
Nigeria
- Cryptomys zechi*¹⁵
Ghana, Togo
- Heliophobius argenteocinereus*¹⁵
Kenya, Mozambique, Tanzania, Zaïre, Zambia, Zimbabwe
- Family HYSTRICIDAE
- Hystrix crassispinis*¹⁵
Brunei, Indonesia, Malaysia
- Hystrix cristata*⁸
Crested Porcupine
Algeria, Burkina Faso, Cameroon, Chad, Egypt, Ethiopia, Italy, Kenya, Libya, Mali, Mauritania, Morocco, Mozambique, Nigeria, Rwanda, Senegal, South Africa, Sudan, Tanzania, Tunisia, Uganda, Western Sahara
- Family CHINCHILLIDAE
- Lagidium wolffsohni*⁴⁸
Argentina, Chile
- Family CAVIIDAE
- Dolichotis patagonum*¹⁵
Argentina
- Dolichotis salinicola*¹⁵
Argentina, Bolivia, Paraguay
- Family DASYPROCTIDAE
- Dasyprocta mexicana*¹⁵
Mexico
- Family AGOUTIDAE
- Agouti taczanowskii*¹⁵
Colombia, Ecuador, Peru, Venezuela
- Family CTENOMYIDAE
- Ctenomys latro*¹⁵
Argentina
- Ctenomys nattereri*¹⁵
Brazil
- Ctenomys sociabilis*¹⁵
Argentina
- Family ECHIMYIDAE
- Carterodon sulcidens*⁴⁸
Brazil

*Diplomys caniceps*¹⁵
Colombia, Ecuador

*Echinmys blainvillei*¹⁵
Brazil

*Echinmys pictus*¹⁵
Brazil

*Isothrix bistriata*¹⁵
Brazil, Colombia, Peru, Venezuela

*Isothrix pagurus*¹⁵
Brazil

*Olallamys albicauda*¹⁵
Colombia

*Olallamys edax*⁴⁸
Colombia, Venezuela

*Proechimys albispinus*¹⁵
Brazil

*Proechimys gorgonae*¹⁵
Colombia

Family CAPROMYIDAE

*Mysateles melanurus*¹⁵
Bushy-tailed Hutia
Cuba

*Mysateles meridionalis*¹⁵
Isla de la Juventud Tree Hutia
Cuba

Order LAGOMORPHA

Family OCHOTONIDAE

*Ochotona forresti*¹⁰⁴
Forrest's Pika
Bhutan, China, India, Myanmar

*Ochotona thomasi*¹⁰⁴
Thomas' Pika
China

Family LEPORIDAE

*Brachylagus idahoensis*¹⁰⁴
Pygmy Rabbit
USA

*Lepus callotis*¹⁰⁴
White-sided Jackrabbit
Mexico, USA

*Lepus insularis*¹⁰⁴
Black Jackrabbit
Mexico

*Lepus yarkandensis*¹⁰⁴
Yarkland Hare
China

*Sylvilagus cunicularius*¹⁰⁴
Mexican Cottontail
Mexico

*Sylvilagus mansuetus*¹⁰⁴
San Jose Brush Rabbit
Mexico

Class AVES

Order RHEIFORMES

Family RHEIDAE

*Rhea americana*²¹
Greater Rhea
Argentina, Bolivia, Brazil, Paraguay,
Uruguay

*Rhea pennata*²¹
Lesser Rhea
Argentina, Bolivia, Chile, Peru

Order CASUARIIFORMES

Family CASUARIIDAE

*Casuarus bennetti*²¹
Dwarf Cassowary
Indonesia, Papua New Guinea

Order TINAMIFORMES

Family TINAMIDAE

*Crypturellus columbianus*²¹
Colombian Tinamou
Argentina, Bolivia, Brazil, Paraguay,
Peru

*Crypturellus noctivagus*²¹
Yellow-legged Tinamou
Brazil

*Crypturellus transfasciatus*²¹
Pale-browed Tinamou
Ecuador, Peru

*Nothocercus nigrocapillus*²¹
Hooded Tinamou
Bolivia, Peru

*Tinamus solitarius*²¹
Solitary Tinamou
Argentina, Brazil, Paraguay

Order SPHENISCIFORMES

Family SPHENISCIDAE

*Spheniscus demersus*²¹
Jackass Penguin
Namibia, South Africa. * Angola,
Mozambique

*Spheniscus humboldti*²¹
Humboldt Penguin
Chile, Peru

Order PODICIPEDIFORMES

Family PODICIPEDIDAE

*Podiceps gallardoi*²¹
Hooded Grebe
Argentina

Order PROCELLARIIFORMES

Family DIOMEDEIDAE

*Diomedea bulleri*²¹
Buller's Albatross
New Zealand

*Diomedea chrysostoma*²¹
Grey-headed Albatross
Australia, Falkland Islands, French
Southern and Antarctic Territories,
New Zealand, South Africa

*Diomedea epomophora*²¹
Royal Albatross
New Zealand

*Diomedea irrorata*²¹
Waved Albatross
Ecuador

*Phoebastria fusca*²¹
Sooty Albatross
French Southern and Antarctic
Territories, South Africa, St Helena

Family PROCELLARIIDAE

*Macronectes halli*²¹
Northern Giant-petrel
Australia, French Southern and
Antarctic Territories, New Zealand,
South Africa

*Puffinus bulleri*²¹
Buller's Shearwater
New Zealand

Family HYDROBATIDAE

*Oceanodroma homochroa*²¹
Ashy Storm-petrel
Mexico, USA

*Oceanodroma monorhis*²¹
Swinhoe's Storm-petrel
Japan, South Korea, Taiwan. * China

*Oceanodroma tethys*²¹
Wedge-rumped Storm-petrel
Ecuador, Peru

*Oceanodroma tristrami*²¹
Tristram's Storm-petrel
Japan (Kazan-retto), USA (Hawaiian
Is)

Order PELECANIFORMES

Family SULIDAE

*Morus capensis*²¹
Cape Gannet
Namibia, South Africa. * Angola,
Cameroon, Congo, Equatorial
Guinea, Gabon, Mozambique,
Nigeria, São Tomé & Príncipe,
Tanzania, Zaire



Family

PHALACROCORACIDAE

*Phalacrocorax coronatus*²¹

Crowned Cormorant
Angola, Namibia, South Africa

*Phalacrocorax gaimardi*²¹

Red-legged Cormorant
Argentina, Chile, Peru

*Phalacrocorax neglectus*²¹

Bank Cormorant
Namibia, South Africa

*Phalacrocorax nigrogularis*²¹

Socotra Cormorant
Yemen

*Phalacrocorax pygmeus*²¹

Pygmy Cormorant
Albania, Azerbaijan, Bulgaria,
Greece, Hungary, Iran, Iraq, Italy,
Kazakhstan, Moldova, Romania,
Russia, Tajikistan, Turkey,
Turkmenistan, Uzbekistan,
Yugoslavia. * Afghanistan, Austria,
Georgia, Israel

Family ANHINGIDAE

*Anhinga melanogaster*²¹

Oriental Darter
Bangladesh, Brunei, Cambodia,
India, Indonesia, Laos, Malaysia,
Myanmar, Nepal, Pakistan,
Philippines, Sri Lanka, Thailand
(ex?), Viet Nam

Order CICONIIFORMES

Family ARDEIDAE

*Agamia agami*²¹

Agami Heron
Argentina, Bolivia, Brazil,
Colombia, Costa Rica, Ecuador,
French Guiana, Guatemala, Guyana,
Honduras, Mexico, Nicaragua,
Panama, Suriname, Trinidad and
Tobago, Venezuela

*Ardea sumatrana*²¹

Great-billed Heron
Australia, Brunei, India, Indonesia,
Malaysia, Myanmar, Papua New
Guinea, Philippines, Thailand, Viet
Nam

*Ardeola idae*²¹

Madagascar Pond-heron
Madagascar, Seychelles. * Burundi,
Comoros, Kenya, Malawi, Rwanda,
Tanzania, Uganda, Zaire, Zimbabwe

*Ixobrychus eurhythmus*²¹

Schrenck's Bittern
China, Japan, North Korea, Russia,
South Korea. * Brunei, China,
Indonesia, Laos, Malaysia,

Myanmar, Philippines, Taiwan,
Thailand, Viet Nam

*Tigrisoma fasciatum*²¹

Fasciated Tiger-heron
Bolivia, Brazil, Colombia,
Costa Rica, Ecuador, Panama, Peru,
Venezuela

*Zebriilus undulatus*²¹

Zigzag Heron
Bolivia, Brazil, Colombia, Ecuador,
French Guiana, Guyana, Peru,
Suriname, Venezuela

*Zonotrichia heliosylus*²¹

Forest Bittern
Indonesia, Papua New Guinea

Family BALAENICIPITIDAE

*Balaeniceps rex*²¹

Shoebill
Burundi?, Central African Republic,
Ethiopia, Malawi, Rwanda, Sudan,
Tanzania, Uganda, Zaire, Zambia

Family CICONIIDAE

*Anastomus oscitans*²¹

Asian Openbill
Bangladesh, Cambodia, India,
Myanmar, Nepal, Pakistan, Sri
Lanka, Thailand, Viet Nam

*Mycteria leucocephala*²¹

Painted Stork
Bangladesh, Cambodia, China, India,
Laos, Myanmar, Nepal, Pakistan, Sri
Lanka, Thailand, Viet Nam

Family THRESKIORNITHIDAE

*Lophotibis cristata*²¹

Madagascar Crested Ibis
Madagascar

*Pseudibis papillosa*²¹

Red-naped Ibis
Bangladesh, India, Nepal, Pakistan

*Threskiornis melanocephalus*²¹

Black-headed Ibis
Bangladesh, Cambodia, China, India,
Indonesia, Japan (ex), Nepal,
Pakistan, Sri Lanka, Taiwan, Viet
Nam. * China, Hong Kong,
Indonesia, Japan, Lesotho, Malaysia,
Myanmar, Thailand

Family PHOENICOPTERIDAE

*Phoenicopterus minor*²¹

Lesser Flamingo
Botswana, Djibouti, Kenya,
Mauritania, Namibia, South Africa,
Zaire, Zambia. * Angola, Burundi,
Cameroon, Eritrea, Ethiopia, Gabon,
Gambia, Guinea, Guinea-Bissau,
India, Madagascar, Malawi,

Mozambique, Pakistan, Senegal,
Sierra Leone, Tanzania, Uganda,
Yemen, Zimbabwe

Order ANSERIFORMES

Family ANHIMIDAE

*Chauna chavaria*²¹

Northern Screamer
Colombia, Venezuela

Family ANATIDAE

*Aix galericulata*²¹

Mandarin Duck
China, Japan, North Korea, Russia,
South Korea. * Austria [int],
Belgium [int], Netherlands [int],
Taiwan, United Kingdom [int]

*Anas luzonica*²¹

Philippine Duck
Philippines

*Anas melleri*²¹

Meller's Duck
Madagascar, Mauritius [int]

*Anas specularis*²¹

Spectacled Duck
Argentina, Chile

*Chloephaga rubidiceps*²¹

Ruddy-headed Goose
Argentina, Chile, Falkland Islands

*Cygnus buccinator*²¹

Trumpeter Swan
Canada, USA

*Heteronetta atricapilla*²¹

Black-headed Duck
Argentina, Bolivia, Brazil, Chile,
Paraguay, Uruguay

*Neochen jubata*²¹

Orinoco Goose
Argentina, Bolivia, Brazil,
Colombia, French Guiana, Guyana,
Paraguay, Peru, Suriname, Venezuela

*Tachyeres leucocephalus*²¹

Chubut Steamerduck
Argentina

Order FALCONIFORMES

Family ACCIPITRIDAE

*Accipiter butleri*²¹

Nicobar Sparrowhawk
India

*Accipiter collaris*²¹

Semicollared Hawk
Colombia, Ecuador, Peru, Venezuela

*Accipiter henstii*²¹

Henst's Goshawk
Madagascar

- Accipiter luteoschistaceus***²¹
Slaty-mantled Sparrowhawk
Papua New Guinea
- Accipiter madagascariensis***²¹
Madagascar Sparrowhawk
Madagascar
- Accipiter nanus***²¹
Small Sparrowhawk
Indonesia
- Accipiter poliogaster***²¹
Grey-bellied Goshawk
Argentina, Bolivia, Brazil,
Colombia, Ecuador, Guyana,
Paraguay, Peru, Suriname, Venezuela
- Accipiter princeps***²¹
New Britain Goshawk
Papua New Guinea
- Aegyptius monachus***²¹
Cinereous Vulture
Afghanistan, Albania (ex?),
Armenia, Azerbaijan, Bulgaria?,
China, Cyprus?, Georgia, Greece,
Iran, Kazakhstan, Kyrgyzstan,
Mongolia, Pakistan, Portugal,
Russia, Spain (Balearic Is), Syria?,
Tajikistan, Turkey, Turkmenistan,
Uzbekistan, Yugoslavia. *
Bangladesh?, Bhutan?, Egypt, Hong
Kong, India, Italy, Morocco,
Myanmar, Nepal, North Korea,
Oman, Saudi Arabia, South Korea,
Thailand
- Aquila gurneyi***²¹
Gurney's Eagle
Indonesia, Papua New Guinea
- Aviceda jerdoni***²¹
Jerdon's Baza
Brunei, China, India, Indonesia,
Laos, Malaysia, Myanmar,
Philippines, Thailand
- Butastur liventer***²¹
Rufous-winged Buzzard
Cambodia, China, Indonesia, Laos,
Myanmar, Thailand, Viet Nam
- Buteo solitarius***²¹
Hawaiian Hawk
USA (Hawaiian Is)
- Buteo ventralis***²¹
Rufous-tailed Hawk
Argentina, Chile
- Circaetus fasciolatus***²¹
Southern Banded Snake-eagle
Kenya, Mozambique, Somalia, South
Africa, Tanzania, Zimbabwe
- Circus macrourus***²¹
Pallid Harrier
China, Moldova, Russia, Ukraine. *
Afghanistan, Albania, Algeria,
Angola, Bangladesh, Benin,
Botswana, Burundi, Cameroon,
- Central African Republic, Chad,
Côte d'Ivoire, Cyprus, Djibouti,
Egypt, Eritrea, Ethiopia, Gambia,
Ghana, Greece, India, Iran, Iraq,
Israel, Jordan, Kenya, Lebanon,
Liberia, Libya, Malawi, Mali,
Mauritania, Mozambique, Myanmar,
Namibia, Nepal, Niger, Nigeria,
Oman, Pakistan, Rwanda, Saudi
Arabia, Senegal, Sierra Leone,
Somalia, South Africa, Sri Lanka,
Sudan, Syria, Tanzania, Togo,
Tunisia, Turkey, Uganda, Yemen,
Zambia, Zimbabwe
- Circus maillardi***²¹
Madagascar Harrier
Comoros, Madagascar, Réunion
- Circus maurus***²¹
Black Harrier
Lesotho, Namibia, South Africa
- Gyps bengalensis***²¹
White-rumped Vulture
Bangladesh, Cambodia, China, India,
Laos, Malaysia, Myanmar, Nepal,
Pakistan, Thailand, Viet Nam
- Gyps indicus***²¹
Long-billed Vulture
Bangladesh, Cambodia, India, Laos,
Malaysia, Myanmar, Nepal,
Thailand, Viet Nam
- Haliaeetus albicilla***²¹
White-tailed Eagle
Albania (ex?), Armenia, Austria,
Azerbaijan, Belarus, Bulgaria, China,
Czech Republic, Denmark, Estonia,
Finland, Georgia, Germany, Greece,
Greenland, Hungary, Iceland, Iran,
Israel, Japan, Kazakhstan, Latvia,
Lithuania, Moldova, Mongolia,
Nepal, Norway, Poland, Romania,
Russia, Sweden, Turkey,
Turkmenistan, Ukraine, Yugoslavia.
* Afghanistan, Faeroe Islands,
France, India, Israel, Japan, Nepal,
North Korea, Pakistan, South Korea,
Taiwan, Tajikistan, USA, United
Kingdom [re-int], Uzbekistan
- Harpia harpyja***²¹
Harpy Eagle
Argentina, Belize, Bolivia, Brazil,
Colombia, Costa Rica, Ecuador,
French Guiana, Guatemala, Guyana,
Honduras, Mexico, Nicaragua,
Panama, Paraguay, Peru, Suriname
- Harpohaliaetus solitarius***²¹
Solitary Eagle
Argentina, Bolivia, Brazil,
Colombia, Costa Rica, Ecuador,
French Guiana, Guatemala, Guyana,
Honduras, Mexico, Nicaragua,
Panama, Paraguay, Peru, Suriname,
Venezuela
- Henicopernis infuscatus***²¹
Black Honey-buzzard
Papua New Guinea
- Ichthyophaga humilis***²¹
Lesser Fish-eagle
China, India, Indonesia, Laos,
Malaysia, Myanmar, Nepal,
Thailand, Viet Nam
- Ichthyophaga ichthyaetus***²¹
Grey-headed Fish-eagle
Bangladesh, Brunei, Cambodia,
India, Indonesia, Laos, Malaysia,
Myanmar, Nepal, Philippines,
Singapore, Thailand, Viet Nam
- Leucopternis plumbea***²¹
Plumbeous Hawk
Colombia, Ecuador, Panama, Peru
- Leucopternis polionota***²¹
Mantled Hawk
Argentina, Brazil, Paraguay
- Leucopternis semiplumbea***²¹
Semiplumbeous Hawk
Colombia, Costa Rica, Ecuador,
Honduras, Panama
- Megatriorchis doriae***²¹
Doria's Goshawk
Indonesia, Papua New Guinea
- Morphnus guianensis***²¹
Crested Eagle
Argentina, Bolivia, Brazil,
Colombia, Costa Rica, Ecuador,
French Guiana, Guatemala, Guyana,
Honduras, Panama, Paraguay, Peru,
Suriname, Venezuela
- Oroaetus isidori***²¹
Black-and-chestnut Eagle
Argentina, Bolivia, Colombia,
Ecuador, Peru, Venezuela
- Sarcogyps calvus***²¹
Red-headed Vulture
Bangladesh, Bhutan, Cambodia,
China, India, Laos, Malaysia,
Myanmar, Pakistan, Thailand, Viet
Nam
- Spilornis elgini***²¹
Andaman Serpent-eagle
India (Andaman & Nicobar Is)
- Spilornis minimus***²¹
Nicobar Serpent-eagle
India
- Spizaetus lanceolatus***²¹
Sulawesi Hawk-eagle
Indonesia
- Spizastur melanoleucus***²¹
Black-and-white Hawk-eagle
Argentina, Bolivia, Colombia, Costa
Rica, French Guiana, Guatemala,
Guyana, Honduras, Mexico,
Nicaragua, Panama, Peru, Suriname,
Venezuela

Family **FALCONIDAE****Falco chicquera**²¹

Red-necked Falcon

Bangladesh, India, Nepal, Pakistan

Falco deiroleucus²¹

Orange-breasted Falcon

Argentina, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago, Venezuela

Falco novaeseelandiae²¹

New Zealand Falcon

New Zealand

Microhierax latifrons²¹

White-fronted Falconet

Malaysia

Microhierax melanoleucus²¹

Pied Falconet

Bangladesh, China, India, Laos, Viet Nam

Phalcoboenus australis²¹

Striated Caracara

Argentina, Chile, Falkland Islands

Polihierax insignis²¹

White-rumped Falcon

Cambodia, Laos, Myanmar, Thailand, Viet Nam

Order **GALLIFORMES**Family **MEGAPODIIDAE****Megapodius bernsteini**²¹

Sula Scrubfowl

Indonesia

Megapodius cumingii²¹

Tabon Scrubfowl

Indonesia, Malaysia, Philippines

Family **CRACIDAE****Aburria aburri**²¹

Wattled Guan

Colombia, Ecuador, Peru, Venezuela

Chamaepetes unicolor²¹

Black Guan

Costa Rica, Panama

Penelope jacucaca²¹

White-browed Guan

Brazil

Penelope pileata²¹

White-crested Guan

Brazil

Family **PHASIANIDAE****Agriocharis ocellata**²¹

Ocellated Turkey

Belize, Guatemala, Mexico

Alectoris magna²¹

Rusty-necked Partridge

China

Anurophasis monorthonyx²¹

Snow Mountain Quail

Indonesia

Arborophila atrogularis²¹

White-cheeked Partridge

Bangladesh, China, India, Myanmar

Arborophila crudigularis²¹

Taiwan Partridge

Taiwan

Bonasa sewerzowi²¹

Chinese Grouse

China

Chrysolophus amherstiae²¹

Lady Amherst's Pheasant

China, Myanmar

Chrysolophus pictus²¹

Golden Pheasant

China

Crossoptilon auritum²¹

Blue Eared-pheasant

China

Cyrtornyx ocellatus²¹

Ocellated Quail

Guatemala, Honduras, Mexico, Nicaragua

Dendragapus falcipennis²¹

Siberian Grouse

China, Russia

Dendrortyx macroura²¹

Long-tailed Wood-partridge

Mexico

Gallus sonneratii²¹

Grey Junglefowl

India

Lophura swinhoii²¹

Swinhoe's Pheasant

Taiwan

Melanoperdix nigra²¹

Black Partridge

Indonesia, Malaysia

Odontophorus atrifrons²¹

Black-fronted Wood-quail

Colombia, Venezuela

Odontophorus columbianus²¹

Venezuelan Wood-quail

Venezuela

Odontophorus dileucos²¹

Tacarcuna Wood-quail

Panama

Odontophorus hyperythrus²¹

Chestnut Wood-quail

Colombia

Odontophorus leucolaemus²¹

Black-breasted Wood-quail

Costa Rica, Panama

Odontophorus melanonotus²¹

Dark-backed Wood-quail

Colombia, Ecuador

Polyplectron chalcureum²¹

Bronze-tailed Peacock-pheasant

Indonesia

Syrmaticus mikado²¹

Mikado Pheasant

Taiwan

Syrmaticus soemmerringii²¹

Copper Pheasant

Japan

Tetrao mlokosiewiczzi²¹

Caucasian Grouse

Armenia, Azerbaijan, Georgia, Iran, Russia, Turkey

Tetraophasis obscurus²¹

Chestnut-throated Partridge

China

Tetraophasis szechenyii²¹

Buff-throated Partridge

China, India

Tragopan satyra²¹

Satyr Tragopan

Bhutan, China, India, Nepal

Tragopan temminckii²¹

Temminck's Tragopan

China, India, Myanmar, Viet Nam

Order **GRUIFORMES**Family **TURNICIDAE****Turnix ocellata**²¹

Spotted Buttonquail

Philippines

Family **GRUIDAE****Grus antigone**²¹

Sarus Crane

Australia, Brunei, Cambodia, India, Laos, Nepal, Philippines (ex?), Thailand (ex?), Viet Nam

Family **RALLIDAE****Gallirallus australis**²¹

Weka

New Zealand

Gallirallus roviaanae²¹

Roviana Rail

Solomon Islands

Laterallus spilonotus²¹

Galápagos Rail

Ecuador

Micropygia schomburgkii²¹

Ocellated Crake

Bolivia, Brazil, Colombia, French Guiana, Guyana, Peru, Suriname, Venezuela

*Neocrex colombianus*²¹

Colombian Crane
Colombia, Ecuador, Panama

*Porzana paykullii*²¹

Band-bellied Crane
China, Russia. * China, Indonesia, Malaysia, Philippines, South Korea, Thailand, Viet Nam

*Rougetius rougetii*²¹

Rouget's Rail
Eritrea, Ethiopia

Family OTIDIDAE

*Eupodotis caerulescens*²¹

Blue Bustard
Lesotho, South Africa

*Eupodotis humilis*²¹

Little Brown Bustard
Ethiopia, Somalia

*Neotis nuba*²¹

Nubian Bustard
Chad, Mali, Mauritania, Niger, Sudan

*Tetrax tetrax*²¹

Little Bustard
Albania?, Algeria, Bulgaria (ex), China, Czech Republic (ex), France, Greece (ex), Iran, Iraq?, Italy, Kazakhstan, Kyrgyzstan, Morocco, Portugal, Russia, Spain, Turkey, Ukraine, Uzbekistan. * Azerbaijan?, Egypt, Georgia, Israel, Libya, Pakistan, Romania, Tajikistan, Tunisia, Turkmenistan, Yugoslavia

Order CHARADRIIFORMES

Family HAEMATOPODIDAE

*Haematopus moquini*²¹

African Oystercatcher
Namibia, South Africa

Family GLAREOLIDAE

*Glareola nordmanni*²¹

Black-winged Pratincole
Armenia, Belarus, Hungary, Iraq, Kazakhstan, Moldova, Romania, Russia, Syria, Ukraine. * Angola, Botswana, Burundi, Cameroon, Chad, Cyprus, Egypt, Ethiopia, Iran, Israel, Mali, Mauritania, Namibia, Nigeria, Rwanda, Saudi Arabia, South Africa, Sudan, Turkey, Uganda, Zaire, Zambia

Family CHARADRIIDAE

*Charadrius javanicus*²¹

Javan Plover
Indonesia

*Charadrius peronii*²¹

Malaysian Plover
Brunei, Indonesia, Malaysia, Philippines, Thailand, Viet Nam

*Charadrius placidus*²¹

Long-billed Plover
China, Japan, North Korea, Russia. * China, India, Japan, Laos, Malaysia, Myanmar, North Korea, South Korea

*Phegornis mitchellii*²¹

Diademed Sandpiper-plover
Argentina, Bolivia, Chile, Peru

*Pluvianellus socialis*²¹

Magellanic Plover
Argentina, Chile

*Vanellus cinereus*²¹

Grey-headed Lapwing
China, Japan, Mongolia. * Bangladesh, Cambodia, China, India, Laos, Myanmar, Nepal, Philippines, Taiwan, Thailand, Viet Nam

Family SCOLOPACIDAE

*Coenocorypha aucklandica*²¹

New Zealand Snipe
New Zealand (Auckland Is, Chatham Is)

*Gallinago hardwickii*²¹

Latham's Snipe
Japan. * Australia, China, Indonesia, Papua New Guinea, Taiwan

*Gallinago imperialis*²¹

Imperial Snipe
Colombia, Ecuador, Peru

*Gallinago media*²¹

Great Snipe
Belarus, Denmark (ex), Estonia, Finland, Germany (ex), Latvia, Lithuania, Netherlands (ex), Norway, Poland, Russia, Sweden, Ukraine. * Angola, Burkina Faso, Burundi, Cameroon, Chad, Congo, Côte d'Ivoire, Cyprus, Egypt, Ethiopia, Gabon, Ghana, India, Iran, Kenya, Liberia, Malawi, Mali, Mauritania, Mozambique, Namibia, Nigeria, Rwanda, Saudi Arabia, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Turkey, Uganda, Yemen, Zaire, Zambia, Zimbabwe

*Gallinago stricklandii*²¹

Fuegian Snipe
Argentina, Chile, Falkland Islands

*Limnodromus semipalmatus*²¹

Asian Dowitcher
China, Mongolia, Russia. * Australia, Bangladesh, Brunei, Cambodia, Hong Kong, India, Indonesia, Japan, Malaysia, Myanmar, Philippines, Singapore, Thailand, Viet Nam

*Limosa haemastica*²¹

Hudsonian Godwit
Canada, USA. * Argentina, Barbados, Bolivia, Brazil, Chile, Falkland Islands, Mexico, Paraguay, Peru, Uruguay, Venezuela

*Numenius madagascariensis*²¹

Far Eastern Curlew
China, Mongolia, Russia. * Australia, Brunei, China, Federated States of Micronesia, Fiji, Hong Kong, Indonesia, Japan, Malaysia, New Zealand, North Korea, Palau, Papua New Guinea, Philippines, South Korea, Taiwan, Thailand, Western Samoa

*Scolopax celebensis*²¹

Sulawesi Woodcock
Indonesia

Family LARIDAE

*Larus heermanni*²¹

Heermann's Gull
Mexico, USA

*Larus pacificus*²¹

Pacific Gull
Australia

*Larus relictus*²¹

Relict Gull
China, Kazakhstan, Mongolia, Russia. * South Korea, Viet Nam

*Sterna balaenarum*²¹

Damara Tern
Angola?, Namibia, South Africa. * Angola, Cameroon, Congo, Gabon, Ghana, Nigeria, Togo, Zaire?

*Sterna elegans*²¹

Elegant Tern
Mexico, USA

Family ALCIDAE

*Brachyramphus marmoratus*²¹

Marbled Murrelet
Canada, Russia, USA

*Synthliboramphus craveri*²¹

Craveri's Murrelet
Mexico, USA

*Synthliboramphus hypoleucus*²¹

Xantus's Murrelet
Canada, Mexico, USA

Order COLUMBIFORMES

Family COLUMBIDAE

*Caloenas nicobarica*²¹

Nicobar Pigeon
Cambodia, India (Andaman & Nicobar Is), Indonesia, Malaysia, Myanmar, Palau, Papua New



- Guinea, Philippines, Solomon Islands, Thailand, Viet Nam
- Columba albinucha***²¹
White-naped Pigeon
Cameroon, Sudan, Uganda, Zaire
- Columba araucana***²¹
Chilean Pigeon
Argentina, Chile
- Columba elphinstonii***²¹
Nilgiri Wood-pigeon
India
- Columba janthina***²¹
Japanese Wood-pigeon
Japan, South Korea, Taiwan
- Columba palumboides***²¹
Andaman Wood-pigeon
India
- Columba pollenii***²¹
Comoro Olive-pigeon
Comoros
- Cryptophaps poecilorrhhoa***²¹
Sombre Pigeon
Indonesia
- Ducula finschii***²¹
Finsch's Imperial-pigeon
Papua New Guinea
- Ducula melanochroa***²¹
Bismarck Imperial-pigeon
Papua New Guinea
- Gallucolumba canifrons***²¹
Palau Ground-dove
Palau
- Gallucolumba luzonica***²¹
Luzon Bleeding-heart
Philippines
- Gallucolumba stairi***²¹
Shy Ground-dove
American Samoa, Fiji, Tonga, Wallis and Futuna Islands, Western Samoa
- Gallucolumba xanthonura***²¹
White-throated Ground-dove
Federated States of Micronesia, Guam (ex), Northern Marianas
- Geophaps smithii***²¹
Partridge Pigeon
Australia
- Geotrygon caniceps***²¹
Grey-headed Quail-dove
Cuba, Dominican Republic, Haiti
- Geotrygon goldmani***²¹
Russet-crowned Quail-dove
Colombia, Panama
- Geotrygon mystacea***²¹
Bridled Quail-dove
Anguilla, Antigua and Barbuda, Bahamas, Dominica, Guadeloupe, Martinique, Montserrat, Netherlands Antilles, Puerto Rico, St Kitts and Nevis, St Lucia, Virgin Islands (British), Virgin Islands (US)
- Geotrygon versicolor***²¹
Crested Quail-dove
Jamaica
- Gymnophaps mada***²¹
Long-tailed Mountain-pigeon
Indonesia
- Henicophaps albifrons***²¹
New Guinea Bronzewing
Indonesia, Papua New Guinea
- Henicophaps foersteri***²¹
New Britain Bronzewing
Papua New Guinea
- Leptotila batteni***²¹
Brown-backed Dove
Panama
- Macropygia rufipennis***²¹
Andaman Cuckoo-dove
India
- Phaps histrionica***²¹
Flock Bronzewing
Australia
- Ptilinopus alligator***²¹
Black-banded Fruit-dove
Australia
- Ptilinopus coralensis***²¹
Atoll Fruit-dove
French Polynesia
- Ptilinopus eugeniae***²¹
White-headed Fruit-dove
Solomon Islands
- Ptilinopus layardi***²¹
Whistling Dove
Fiji
- Ptilinopus merrilli***²¹
Cream-bellied Fruit-dove
Philippines
- Ptilinopus monacha***²¹
Blue-capped Fruit-dove
Indonesia
- Ptilinopus rarotongensis***²¹
Cook Islands Fruit-dove
Cook Islands
- Ptilinopus roseicapilla***²¹
Mariana Fruit-dove
Guam, Northern Marianas
- Ptilinopus tannensis***²¹
Tanna Fruit-dove
Vanuatu
- Streptopelia reichenowi***²¹
White-winged Collared-dove
Ethiopia, Kenya, Somalia
- Treron capellei***²¹
Large Green-pigeon
Brunei, Indonesia, Malaysia, Myanmar, Thailand
- Treron floriss***²¹
Flores Green-pigeon
Indonesia
- Treron formosae***²¹
Whistling Green-pigeon
Japan, Philippines, Taiwan
- Treron fulvicollis***²¹
Cinnamon-headed Green-pigeon
Brunei, Indonesia, Malaysia, Myanmar, Thailand
- Treron oxyura***²¹
Sumatran Green-pigeon
Indonesia
- Treron pembaensis***²¹
Pemba Green-pigeon
Tanzania
- Treron seimundi***²¹
Yellow-vented Green-pigeon
Laos, Malaysia, Thailand, Viet Nam
- Treron sieboldii***²¹
White-bellied Green-pigeon
China, Japan, Laos, Taiwan, Thailand, Viet Nam
- Treron teysmannii***²¹
Sumba Green-pigeon
Indonesia
- Trugon terrestris***²¹
Thick-billed Ground-pigeon
Indonesia, Papua New Guinea
- Order PSITTACIFORMES**
- Family PSITTACIDAE**
- Agapornis fischeri***²¹
Fischer's Lovebird
Tanzania
- Alisterus amboinensis***²¹
Moluccan King-parrot
Indonesia
- Amazona collaria***²¹
Yellow-billed Amazon
Jamaica
- Amazona dufresniana***²¹
Blue-cheeked Amazon
French Guiana, Guyana, Suriname, Venezuela
- Amazona finschi***²¹
Lilac-crowned Amazon
Mexico
- Amazona leucocephala***²¹
Cuban Amazon
Bahamas, Cayman Islands, Cuba
- Amazona ventralis***²¹
Hispaniolan Amazon
Dominican Republic, Haiti, Puerto Rico [int]
- Aprosmictus jonquillaceus***²¹
Olive-shouldered Parrot
Indonesia

- Aratinga erythrogenys*²¹
Red-masked Parakeet
Ecuador, Peru
- Brotogeris pyrrhopterus*²¹
Grey-cheeked Parakeet
Ecuador, Peru
- Cacatua goffini*²¹
Tanimbar Cockatoo
Indonesia
- Cacatua leadbeateri*²¹
Pink Cockatoo
Australia
- Cacatua pastinator*²¹
Western Corella
Australia
- Charmosyna margarethae*²¹
Duchess Lorikeet
Papua New Guinea, Solomon Islands
- Charmosyna multistriata*²¹
Striated Lorikeet
Indonesia, Papua New Guinea
- Charmosyna palmarum*²¹
Palm Lorikeet
Solomon Islands, Vanuatu
- Cyanoramphus auriceps*²¹
Yellow-fronted Parakeet
New Zealand
- Enicognathus leptorhynchus*²¹
Slender-billed Parakeet
Chile
- Eos reticulata*²¹
Blue-streaked Lory
Indonesia
- Eos semilarvata*²¹
Blue-eared Lory
Indonesia
- Loriculus pusillus*²¹
Yellow-throated Hanging-parrot
Indonesia
- Loriculus tener*²¹
Green-fronted Hanging-parrot
Papua New Guinea
- Lorius albidinuchus*²¹
White-naped Lory
Papua New Guinea
- Micropsitta geelvinkiana*²¹
Geelvink Pygmy-parrot
Indonesia
- Nannopsittaca dachilleae*²¹
Amazonian Parrotlet
Peru
- Neophema pulchella*²¹
Turquoise Parrot
Australia
- Nestor notabilis*²¹
Kea
New Zealand
- Pionopsitta pileata*²¹
Pileated Parrot
Argentina, Brazil, Paraguay
- Prioniturus discurus*²¹
Blue-crowned Racquet-tail
Philippines
- Prioniturus flavicans*²¹
Yellowish-breasted Racquet-tail
Indonesia
- Prioniturus mada*²¹
Buru Racquet-tail
Indonesia
- Probosciger aterrimus*²¹
Palm Cockatoo
Australia, Indonesia, Papua New Guinea
- Prosopeia personata*²¹
Masked Shining-parrot
Fiji
- Prosopeia splendens*²¹
Crimson Shining-parrot
Fiji
- Psephotus dissimilis*²¹
Hooded Parrot
Australia
- Psittacula caniceps*²¹
Nicobar Parakeet
India (Andaman & Nicobar Is)
- Psittacula derbiana*²¹
Derbyan Parakeet
China, India
- Psittinus cyanurus*²¹
Blue-rumped Parrot
Brunei, Indonesia, Malaysia, Myanmar, Thailand
- Pyrrhura rhocephala*²¹
Rose-headed Parakeet
Venezuela
- Touit costaricensis*²¹
Red-fronted Parrotlet
Costa Rica, Panama
- Order **CUCULIFORMES**
- Family **MUSOPHAGIDAE**
- Tauraco fischeri*²¹
Fischer's Turaco
Kenya, Somalia, Tanzania
- Family **CUCULIDAE**
- Carpococcyx renauldi*²¹
Coral-billed Ground-cuckoo
Cambodia, Laos, Thailand, Viet Nam
- Centropus andamanensis*²¹
Brown Coucal
India, Myanmar
- Centropus chalybeus*²¹
Biak Coucal
Indonesia
- Indonesia
- Centropus rectunguis*²¹
Short-toed Coucal
Brunei, Indonesia, Malaysia
- Centropus spilopterus*²¹
Kai Coucal
Indonesia
- Centropus unirufus*²¹
Rufous Coucal
Philippines
- Coua verreauxi*²¹
Verreaux's Coua
Madagascar
- Neomorphus squamiger*²¹
Scaled Ground-cuckoo
Brazil
- Order **STRIGIFORMES**
- Family **TYTONIDAE**
- Tyto multipunctata*²¹
Lesser Sooty-owl
Australia
- Family **STRIGIDAE**
- Aegolius harrisi*²¹
Buff-fronted Owl
Argentina, Bolivia, Brazil, Colombia, Ecuador, Paraguay, Peru, Venezuela
- Aegolius ridgwayi*²¹
Unspotted Saw-whet Owl
Costa Rica, El Salvador, Guatemala, Mexico
- Bubo nipalensis*²¹
Spot-bellied Eagle-owl
Bangladesh, Bhutan, Cambodia, China, India, Laos, Myanmar, Nepal, Sri Lanka, Thailand, Viet Nam
- Glaucidium castanonotum*²¹
Chestnut-backed Owllet
Sri Lanka
- Ketupa flavipes*²¹
Tawny Fish-owl
Bangladesh, Bhutan, China, India, Laos, Myanmar, Nepal, Taiwan, Viet Nam
- Ninox affinis*²¹
Andaman Hawk Owl
India
- Otus balli*²¹
Andaman Scops Owl
India
- Otus barbarus*²¹
Santa Barbara Screech-owl
Guatemala, Mexico
- Otus colombianus*²¹
Colombian Screech-owl
Colombia, Ecuador

***Otus hartlaubi***²¹

São Tomé Scops-owl
São Tomé & Príncipe (Príncipe?,
São Tomé)

Otus pambaensis²¹

Pemba Scops-owl
Tanzania

Otus silvicola²¹

Wallace's Scops-owl
Indonesia

Strix occidentalis²¹

Spotted Owl
Canada, Mexico, USA

Xenoglaux loweryi²¹

Long-whiskered Owlet
Peru

Order CAPRIMULGIFORMES

Family PODARGIDAE

Batrachostomus javensis²¹

Javan Frogmouth
Indonesia

Batrachostomus moniliger²¹

Sri Lanka Frogmouth
India, Sri Lanka

Family CAPRIMULGIDAE

Caprimulgus concretus²¹

Bonaparte's Nightjar
Brunei, Indonesia, Malaysia

Caprimulgus hirundinaceus²¹

Pygmy Nightjar
Brazil

Caprimulgus whitelyi²¹

Roraiman Nightjar
Venezuela

Eleothreptus anomalus²¹

Sickle-winged Nightjar
Argentina, Brazil, Paraguay, Uruguay

Macropsalis creagra²¹

Long-trained Nightjar
Argentina, Brazil

Nyctiphrynus mcleodii²¹

Eared Poorwill
Mexico

Nyctiphrynus rosenbergi²¹

Choco Poorwill
Colombia, Ecuador

Siphonorhis brewsteri²¹

Least Poorwill
Dominican Republic, Haiti

Order APODIFORMES

Family APODIDAE

Collocalia francica²¹

Mascarene Swiftlet
Mauritius, Réunion

Cypseloides rothschildi²¹

Rothschild's Swift
Argentina, Bolivia, Peru

Hydrochrous gigas²¹

Waterfall Swift
Indonesia, Malaysia

Family TROCHILIDAE

Anthocephala floriceps²¹

Blossomcrown
Colombia

Augastes lumachellus²¹

Hooded Visorbearer
Brazil

Augastes scutatus²¹

Hyacinth Visorbearer
Brazil

Avocettula recurvirostris²¹

Fiery-tailed Awlbill
Brazil, Colombia, Ecuador, French
Guiana, Guyana, Suriname,
Venezuela

Campylopterus excellens²¹

Long-tailed Sabrewing
Mexico

Campylopterus phainopeplus²¹

Santa Marta Sabrewing
Colombia

Campylopterus villaviscensia²¹

Napo Sabrewing
Ecuador, Peru

Eriocnemis derbyi²¹

Black-thighed Puffleg
Colombia, Ecuador

Goethalsia bella²¹

Rufous-cheeked Hummingbird
Colombia, Panama

Haplophaedia lugens²¹

Hoary Puffleg
Colombia, Ecuador

Heliodoxa gularis²¹

Pink-throated Brilliant
Colombia, Ecuador, Peru

Lophornis stictolophus²¹

Spangled Coquette
Argentina, Bolivia, Brazil,
Colombia, Ecuador, Peru, Venezuela

Mellisuga helenae²¹

Bee Hummingbird
Cuba

Metallura iracunda²¹

Perijá Metaltail
Colombia, Venezuela

Metallura odomae²¹

Neblina Metaltail
Ecuador, Peru

Oreotrochilus adela²¹

Wedge-tailed Hillstar
Bolivia

Phaethornis koepckeae²¹

Koepcke's Hermit
Peru

Philodice bryantae²¹

Magenta-throated Woodstar
Costa Rica, Panama

Phlogophilus harterti²¹

Peruvian Piedtail
Peru

Phlogophilus hemileucurus²¹

Ecuadorian Piedtail
Colombia, Ecuador, Peru

Polyonymus caroli²¹

Bronze-tailed Comet
Argentina, Brazil, Paraguay

Ramphodon naevius²¹

Saw-billed Hermit
Brazil

Order TROGONIFORMES

Family TROGONIDAE

Pharomachrus macinno²¹

Resplendent Quetzal
Costa Rica, El Salvador, Guatemala,
Honduras, Mexico, Nicaragua,
Panama

Priotelus roseigaster²¹

Hispaniolan Trogon
Dominican Republic, Haiti

Trogon bairdii²¹

Baird's Trogon
Costa Rica, Panama

Order CORACIIFORMES

Family ALCEDINIDAE

Actenoides lindsayi²¹

Spotted Kingfisher
Philippines

Alcedo cyanopecta²¹

Indigo-banded Kingfisher
Philippines

Pelargopsis amauropterus²¹

Brown-winged Kingfisher
Bangladesh, India, Malaysia,
Myanmar, Thailand

*Tanysiptera riedelii*²¹

Biak Paradise-kingfisher
Indonesia

*Todirhamphus australasia*²¹

Cinnamon-banded Kingfisher
Indonesia

*Todirhamphus enigma*²¹

Talaud Kingfisher
Indonesia

*Todirhamphus funebris*²¹

Sombre Kingfisher
Indonesia

*Todirhamphus nigrocyaneus*²¹

Blue-black Kingfisher
Indonesia, Papua New Guinea

Family **TODIDAE**

*Todus angustirostris*²¹

Narrow-billed Tody
Dominican Republic, Haiti

Family **MOMOTIDAE**

*Electron carinatum*²¹

Keel-billed Motmot
Belize, Costa Rica, Guatemala,
Honduras, Mexico, Nicaragua

Family **CORACIDAE**

*Atelornis pittoides*²¹

Pitta-like Ground-roller
Madagascar

Family **BUCEROTIDAE**

*Anorrhinus tickelli*²¹

Brown Hornbill
China, India, Laos, Myanmar,
Thailand, Viet Nam

*Anthracoceros coronatus*²¹

Malabar Pied-Hornbill
India, Sri Lanka

*Anthracoceros malayanus*²¹

Black Hornbill
Brunei, Indonesia, Malaysia,
Thailand

*Buceros hydrocorax*²¹

Rufous Hornbill
Philippines

*Buceros vigil*²¹

Helmeted Hornbill
Brunei, Indonesia, Malaysia,
Myanmar, Thailand

*Ceratogymna cylindricus*²¹

Brown-cheeked Hornbill
Benin, Côte d'Ivoire, Ghana, Guinea,
Liberia, Nigeria, Sierra Leone

*Ceratogymna elata*²¹

Yellow-casqued Hornbill
Cameroon, Côte d'Ivoire, Ghana,
Guinea, Guinea-Bissau, Liberia,

Mali, Nigeria, Senegal, Sierra Leone,
Togo

*Ocyrocus griseus*²¹

Malabar Grey-hornbill
India

*Penelopides affinis*²¹

Mindanao Hornbill
Philippines

*Penelopides manillae*²¹

Luzon Hornbill
Philippines

*Penelopides samarensis*²¹

Samar Hornbill
Philippines

Order **PICIFORMES**

Family **BUCCONIDAE**

*Bucco noanamae*²¹

Sooty-capped Puffbird
Colombia

*Micromonacha lanceolata*²¹

Lanceolated Monklet
Brazil, Colombia, Costa Rica,
Ecuador, Panama, Peru

*Nonnulla amaurocephala*²¹

Chestnut-headed Nunlet
Brazil

Family **CAPITONIDAE**

*Capito squamatus*²¹

Orange-fronted Barbet
Colombia, Ecuador

*Eubucco tucinkae*²¹

Scarlet-hooded Barbet
Peru

*Lybius chaplini*²¹

Chaplin's Barbet
Zambia

*Lybius rubrifacies*²¹

Red-faced Barbet
Rwanda, Tanzania, Uganda

*Megalaima corvina*²¹

Brown-throated Barbet
Indonesia

*Megalaima javensis*²¹

Black-banded Barbet
Indonesia

*Megalaima rafflesii*²¹

Red-crowned Barbet
Brunei, Indonesia, Malaysia,
Myanmar, Thailand

*Semnormis ramphastinus*²¹

Toucan Barbet
Colombia, Ecuador

Family **INDICATORIDAE**

*Indicator archipelagicus*²¹

Malaysian Honeyguide
Brunei, Indonesia, Malaysia,
Thailand

*Indicator pumilio*²¹

Dwarf Honeyguide
Rwanda, Uganda, Zaire

*Indicator xanthonotus*²¹

Yellow-rumped Honeyguide
Bhutan, India, Myanmar, Nepal,
Pakistan

Family **RAMPHASTIDAE**

*Andigena cucullata*²¹

Hooded Mountain-toucan
Bolivia, Peru

*Andigena hypoglaucia*²¹

Grey-breasted Mountain-toucan
Colombia, Ecuador, Peru

*Andigena laminirostris*²¹

Plate-billed Mountain-toucan
Colombia, Ecuador

*Andigena nigrirostris*²¹

Black-billed Mountain-toucan
Colombia, Ecuador, Venezuela

*Aulacorhynchus huallagae*²¹

Yellow-browed Toucanet
Peru

*Baillonius bailloni*²¹

Saffron Toucanet
Brazil

Family **PICIDAE**

*Campethera notata*²¹

Knysna Woodpecker
South Africa

*Dendrocopos dora*²¹

Arabian Woodpecker
Saudi Arabia, Yemen

*Dendrocopos leucopterus*²¹

White-winged Woodpecker
Afghanistan, China, Kazakhstan,
Kyrgyzstan, Tajikistan,
Turkmenistan, Uzbekistan

*Dendropicus stierlingi*²¹

Stierling's Woodpecker
Malawi, Mozambique, Tanzania

*Dryocopus hodgesi*²¹

Andaman Woodpecker
India

*Dryocopus schulzi*²¹

Black-bodied Woodpecker
Argentina, Bolivia, Paraguay

*Geocolaptes olivaceus*²¹

Ground Woodpecker
Lesotho, South Africa



*Melanerpes herminieri*²¹
Guadeloupe Woodpecker
Guadeloupe

*Nesocittes micromegas*²¹
Antillean Piculet
Dominican Republic, Haiti

*Picus aurulentus*²¹
Yellow-browed Woodpecker
Brazil

*Picumnus nebulosus*²¹
Mottled Piculet
Argentina, Brazil, Uruguay

*Picumnus steindachneri*²¹
Speckle-chested Piculet
Peru

*Picumnus subtilis*²¹
Fine-banded Piculet
Peru

*Veniliornis chocoensis*²¹
Choco Woodpecker
Colombia, Ecuador

Order PASSERIFORMES

Family DENDROCOLAPTIDAE

*Campylorhamphus pucherani*²¹
Greater Scythebill
Colombia, Ecuador, Peru

Family FURNARIIDAE

*Asthenes cactorum*²¹
Cactus Canastero
Peru

*Asthenes urubambensis*²¹
Line-fronted Canastero
Bolivia, Peru

*Clibanornis dendrocolaptoides*²¹
Canebrake Groundcreeper
Argentina, Brazil, Paraguay

*Cranioleuca dissita*²¹
Coiba Spinetail
Panama

*Hylocryptus rectirostris*²¹
Chestnut-capped Foliage-gleaner
Brazil

*Leptasthenura setaria*²¹
Araucaria Tit-spinetail
Argentina, Brazil

*Leptasthenura yanacensis*²¹
Tawny Tit-spinetail
Bolivia, Peru

*Limnornis rectirostris*²¹
Straight-billed Reedhaunter
Argentina, Brazil, Uruguay

*Margarornis bellulus*²¹
Beautiful Treerunner
Panama

*Phacellodomus dorsalis*²¹
Chestnut-backed Thornbird
Peru

*Philydor amaurotis*²¹
White-browed Foliage-gleaner
Argentina, Brazil

*Philydor dimidiatus*²¹
Russet-mantled Foliage-gleaner
Brazil, Paraguay

*Schizoeaca perijana*²¹
Perijá Thistletail
Colombia, Venezuela

*Simoxenops ucayalae*²¹
Peruvian Recurvebill
Bolivia, Brazil, Peru

*Siptornopsis hypochondriacus*²¹
Great Spinetail
Peru

*Spartonoica maluroides*²¹
Bay-capped Wren-spinetail
Argentina, Brazil, Uruguay

*Synallaxis cherriei*²¹
Chestnut-throated Spinetail
Brazil, Colombia, Ecuador, Peru

*Synallaxis fusciorufa*²¹
Rusty-headed Spinetail
Colombia

*Thripophaga berlepschi*²¹
Russet-mantled Softtail
Peru

*Upucerthia harterti*²¹
Bolivian Earthcreeper
Bolivia

*Xenerpestes singularis*²¹
Equatorial Greytail
Ecuador, Peru

Family FORMICARIIDAE

*Cercomacra brasiliana*²¹
Rio de Janeiro Antbird
Brazil

*Dryophila genei*²¹
Rufous-tailed Antbird
Brazil

*Dryophila ochropyga*²¹
Ochre-rumped Antbird
Brazil

*Dysithamnus stictothorax*²¹
Spot-breasted Antvireo
Argentina, Brazil

*Formicivora serrana*²¹
Serra Antwren
Brazil

*Grallaria bangsi*²¹
Santa Marta Antpitta
Colombia

*Grallaria blakei*²¹
Chestnut Antpitta
Peru

*Grallaria eludens*²¹
Elusive Antpitta
Peru

*Grallaria excelsa*²¹
Great Antpitta
Venezuela

*Grallaricula lineifrons*²¹
Crescent-faced Antpitta
Colombia, Ecuador

*Grallaricula loricata*²¹
Scallop-breasted Antpitta
Venezuela

*Grallaricula ochraceifrons*²¹
Ochre-fronted Antpitta
Peru

*Grallaricula peruviana*²¹
Peruvian Antpitta
Ecuador, Peru

*Herpsilochmus pileatus*²¹
Black-capped Antwren
Brazil

*Hyllopezus ochroleucus*²¹
White-browed Antpitta
Brazil

*Myrmotherula klagesi*²¹
Klages's Antwren
Brazil

*Rhegmatorhina gymnops*²¹
Santarem Antbird
Brazil

*Rhegmatorhina hoffmannsi*²¹
White-breasted Antbird
Brazil

*Thamnophilus praecox*²¹
Cocha Antshrike
Ecuador

Family CONOPOPHAGIDAE

*Conopophaga roberti*²¹
Hooded Gnateater
Brazil

Family RHINOCRYPTIDAE

*Melanopareia maranonica*²¹
Marañon Crescent-chest
Peru

*Merulaxis ater*²¹
Slaty Bristlefront
Brazil

*Psilorhamphus guttatus*²¹
Spotted Bamboowren
Argentina, Brazil

Family COTINGIDAE

- Ampelioides tschudii*²¹
Scaled Fruiteater
Bolivia, Colombia, Ecuador, Peru,
Venezuela
- Carpodectes hopkei*²¹
Black-tipped Cotinga
Colombia, Ecuador, Panama
- Carpornis cucullatus*²¹
Hooded Berryeater
Brazil
- Conioptilon mcilhennyi*²¹
Black-faced Cotinga
Peru
- Pachyrhamphus spodiurus*²¹
Slaty Becard
Ecuador, Peru
- Phibalura flavirostris*²¹
Swallow-tailed Cotinga
Argentina, Bolivia, Brazil
- Pipreola chlorolepidota*²¹
Fiery-throated Fruiteater
Colombia, Ecuador, Peru
- Pipreola frontalis*²¹
Scarlet-breasted Fruiteater
Bolivia, Colombia, Ecuador, Peru
- Pipreola lubomirskii*²¹
Black-chested Fruiteater
Colombia, Ecuador, Peru
- Porphyrolaema porphyrolaema*²¹
Purple-throated Cotinga
Brazil, Colombia, Ecuador, Peru
- Procnias nudicollis*²¹
Bare-throated Bellbird
Argentina, Brazil, Paraguay
- Tijuca atra*²¹
Black-and-gold Cotinga
Brazil
- Family PIPRIDAE
- Chloropipo flavicapilla*²¹
Yellow-headed Manakin
Colombia
- Pipra iris*²¹
Opal-crowned Manakin
Brazil
- Piprites griseiceps*²¹
Grey-headed Piprites
Costa Rica, Guatemala, Honduras,
Nicaragua
- Family TYRANNIDAE
- Alectrurus tricolor*²¹
Cock-tailed Tyrant
Argentina, Bolivia, Brazil, Paraguay
- Aphanotriccus audax*²¹
Black-billed Flycatcher
Colombia, Panama

- Aphanotriccus capitalis*²¹
Tawny-chested Flycatcher
Costa Rica, Nicaragua
- Contopus ochraceus*²¹
Ochraceous Pewee
Costa Rica, Panama
- Culicivora caudacuta*²¹
Sharp-tailed Grass-tyrant
Argentina, Bolivia, Brazil, Paraguay
- Hemitriccus aenigma*²¹
Zimmer's Tody-tyrant
Brazil
- Hemitriccus cinnamomeipectus*²¹
Cinnamon-breasted Tody-tyrant
Peru
- Hemitriccus josephinae*²¹
Boat-billed Tody-tyrant
Brazil, Guyana, Suriname
- Hemitriccus nidipendulus*²¹
Hangnest Tody-tyrant
Brazil
- Hemitriccus orbitatus*²¹
Eye-ringed Tody-tyrant
Brazil
- Hemitriccus rufigularis*²¹
Buff-throated Tody-tyrant
Bolivia, Peru
- Knipolegus hudsoni*²¹
Hudson's Black-tyrant
Argentina, Bolivia, Paraguay
- Muscipipra vetula*²¹
Shear-tailed Grey Tyrant
Argentina, Brazil, Paraguay
- Myiophobus lintoni*²¹
Orange-banded Flycatcher
Ecuador, Peru
- Myiornis albiventris*²¹
White-bellied Pygmy-tyrant
Bolivia, Peru
- Myiotheretes fusciorufus*²¹
Rufous-bellied Bush-tyrant
Bolivia, Peru
- Ochthoeca piurae*²¹
Piura Chat-tyrant
Peru
- Ochthoeca salvini*²¹
Tumbes Tyrant
Peru
- Phyllomyias griseocapilla*²¹
Grey-capped Tyrannulet
Brazil
- Phyllomyias reiseri*²¹
Reiser's Tyrannulet
Brazil, Paraguay
- Phylloscartes difficilis*²¹
Serra do Mar Tyrannulet
Brazil

- Phylloscartes eximius*²¹
Southern Bristle-tyrant
Argentina, Brazil, Paraguay
- Phylloscartes oustaleti*²¹
Oustalet's Tyrannulet
Brazil
- Phylloscartes sylviolus*²¹
Bay-ringed Tyrannulet
Argentina, Brazil, Paraguay
- Phylloscartes venezuelanus*²¹
Venezuelan Bristle-tyrant
Venezuela
- Poecilotriccus albifacies*²¹
White-cheeked Tody-tyrant
Peru
- Polystictus pectoralis*²¹
Bearded Tachuri
Argentina, Bolivia, Brazil,
Colombia, Guyana, Paraguay,
Suriname, Uruguay, Venezuela
- Polystictus superciliaris*²¹
Grey-backed Tachuri
Brazil
- Todirostrum viridanum*²¹
Maracaibo Tody-flycatcher
Venezuela
- Xenotriccus callizonus*²¹
Belted Flycatcher
Guatemala, Mexico
- Xenotriccus mexicanus*²¹
Pileated Flycatcher
Mexico
- Xolmis salinarum*²¹
Salinas Monjita
Argentina
- Family PITTIDAE
- Pitta baudii*²¹
Blue-headed Pitta
Brunei, Indonesia, Malaysia
- Pitta caerulea*²¹
Giant Pitta
Indonesia, Malaysia, Myanmar,
Thailand
- Pitta dohertyi*²¹
Sula Pitta
Indonesia
- Pitta elliotii*²¹
Bar-bellied Pitta
Cambodia, Laos, Thailand, Viet Nam
- Pitta megarhyncha*²¹
Mangrove Pitta
Bangladesh, Indonesia, Malaysia,
Myanmar, Thailand
- Pitta nipalensis*²¹
Blue-naped Pitta
Bangladesh, Bhutan, China, India,
Laos, Myanmar, Nepal, Viet Nam

***Pitta soror***²¹

Blue-rumped Pitta
Cambodia, China, Laos, Thailand,
Viet Nam

Family XENICIDAE

Xenicus gilviventris²¹

South Island Rock Wren
New Zealand

Family PHILEPITTIDAE

Philepitta schlegeli²¹

Schlegel's Asity
Madagascar

Family MENURIDAE

Menura alberti²¹

Albert's Lyrebird
Australia

Family ALAUDIDAE

Certhilauda chuana²¹

Short-clawed Lark
Botswana, South Africa

Mirafra pulpa²¹

Friedmann's Lark
Ethiopia, Kenya

Mirafra williamsi²¹

Williams's Lark
Kenya

Spizocorys obbiensis²¹

Obbia Lark
Somalia

Spizocorys sclateri²¹

Sclater's Lark
Namibia, South Africa

Family HIRUNDINIDAE

Psalidoprocne fuliginosa²¹

Mountain Sawwing
Cameroon, Equatorial Guinea,
Nigeria

Tachycineta cyaneoviridis²¹

Bahama Swallow
Bahamas. * Cuba, USA

Tachycineta euchrysea²¹

Golden Swallow
Dominican Republic, Haiti, Jamaica

Family MOTACILLIDAE

Anthus chacoensis²¹

Chaco Pipit
Argentina, Paraguay

Anthus hoeschi²¹

Mountain Pipit
Lesotho, South Africa

Anthus melindae²¹

Malindi Pipit
Kenya, Somalia

Anthus sharpei²¹

Sharpe's Longclaw
Kenya

Macronyx flavicollis²¹

Abyssinian Longclaw
Ethiopia

Macronyx grimwoodi²¹

Grimwood's Longclaw
Angola, Zaire, Zambia

Family CAMPEPHAGIDAE

Coracina bicolor²¹

Pied Cuckoo-shrike
Indonesia

Coracina coerulescens²¹

Blackish Cuckoo-shrike
Philippines

Coracina dispar²¹

Kai Cicadabird
Indonesia

Coracina dohertyi²¹

Sumba Cicadabird
Indonesia

Coracina graueri²¹

Grauer's Cuckoo-shrike
Uganda, Zaire

Lalage sharpei²¹

Samoan Triller
Western Samoa

Pericrocotus cantonensis²¹

Brown-rumped Minivet
China

Pericrocotus erythropygus²¹

White-bellied Minivet
India, Myanmar

Family PYCNONOTIDAE

Andropadus montanus²¹

Cameroon Greenbul
Cameroon, Nigeria

Ixos everetti²¹

Yellowish Bulbul
Philippines

Phyllastrephus baumanni²¹

Baumann's Greenbul
Côte d'Ivoire, Ghana, Liberia,
Nigeria, Sierra Leone, Togo

Phyllastrephus lorentzi²¹

Sassi's Greenbul
Uganda, Zaire

Phyllastrephus poliocephalus²¹

Grey-headed Greenbul
Cameroon, Nigeria

Pycnonotus penicillatus²¹

Yellow-eared Bulbul
Sri Lanka

Pycnonotus priocephalus²¹

Grey-headed Bulbul
India

Pycnonotus taiwanus²¹

Styan's Bulbul
Taiwan

Pycnonotus xantholaemus²¹

Yellow-throated Bulbul
India

Setornis criniger²¹

Hook-billed Bulbul
Brunei, Indonesia, Malaysia

Family IRENIDAE

Chloropsis venusta²¹

Blue-masked Leafbird
Indonesia

Family LANIIDAE

Laniarius mufumbiri²¹

Papyrus Gonolek
Burundi, Kenya, Rwanda, Uganda,
Zaire

Laniarius turatii²¹

Turati's Boubou
Guinea, Guinea-Bissau, Sierra Leone

Lanius validirostris²¹

Mountain Shrike
Philippines

Malacoonotus lagdeni²¹

Lagden's Bush-shrike
Côte d'Ivoire, Liberia, Rwanda,
Sierra Leone, Uganda, Zaire

Pityriasis gymnocephala²¹

Bornean Bristlehead
Brunei, Indonesia, Malaysia

Family VANGIDAE

Euryceros prevostii²¹

Helmet Vanga
Madagascar

Family BOMBYCILLIDAE

Bombycilla japonica²¹

Japanese Waxwing
Russia. * China, Japan, North Korea,
South Korea, Taiwan

Family TROGLODYTIDAE

*Henicorhina leucoptera*²¹

Bar-winged Wood-wren
Peru

*Thryomanes sissonii*²¹

Socorro Wren
Mexico

Family MIMIDAE

*Melanoptila glabrirostris*²¹

Black Catbird
Belize, Guatemala, Honduras,
Mexico

*Toxostoma guttatum*²¹

Cozumel Thrasher
Mexico

Family PRUNELLIDAE

*Prunella fagani*²¹

Yemen Accentor
Saudi Arabia, Yemen

Family MUSCICAPIDAE

*Acrocephalus griseldis*²¹

Basra Reed-warbler
Iraq, * Ethiopia, Kenya, Malawi,
Mozambique, Saudi Arabia,
Somalia, Sudan, Tanzania

*Actinodura souliei*²¹

Streaked Barwing
China, Viet Nam

*Alcippe cinerea*²¹

Yellow-throated Fulvetta
Bangladesh, Bhutan, China, India,
Laos, Myanmar

*Alcippe ruficapilla*²¹

Spectacled Fulvetta
China, Laos

*Alcippe rufogularis*²¹

Rufous-throated Fulvetta
Bangladesh, Bhutan, Cambodia,
China, India, Laos, Myanmar,
Thailand, Viet Nam

*Amytornis barbatus*²¹

Grey Grasswren
Australia

*Amytornis housei*²¹

Black Grasswren
Australia

*Amytornis woodwardi*²¹

White-throated Grasswren
Australia

*Babax koslowi*²¹

Tibetan Babax
China

*Babax waddelli*²¹

Giant Babax
China, India

*Brachypteryx major*²¹

White-bellied Shortwing
India

*Brachypteryx stellata*²¹

Gould's Shortwing
Bhutan, China, India, Myanmar,
Nepal, Viet Nam

*Bradypterus bangwaensis*²¹

Cameroon Bracken-warbler
Cameroon

*Bradypterus caudatus*²¹

Long-tailed Bush-warbler
Philippines

*Bradypterus palliseri*²¹

Sri Lanka Bush-warbler
Sri Lanka

*Buettikoferella bivittata*²¹

Buff-banded Grassbird
Indonesia

*Cercomela dubia*²¹

Sombre Chat
Ethiopia, Somalia

*Cettia carolinae*²¹

Tanimbar Bush-warbler
Indonesia

*Cettia parens*²¹

Shade Warbler
Solomon Islands

*Chaetops aurantius*²¹

Orange-breasted Rockjumper
Lesotho, South Africa

*Chaetops frenatus*²¹

Rufous Rockjumper
South Africa

*Chrysomma poecilotis*²¹

Rufous-tailed Babbler
China

*Cichlherminia lherminieri*²¹

Forest Thrush
Dominica, Guadeloupe, Montserrat,
St Lucia

*Cichlopsis leucogenys*²¹

Rufous-brown Solitaire
Brazil, Guyana, Venezuela

*Cinclidium frontale*²¹

Blue-fronted Robin
Bhutan, China, India, Laos,
Thailand, Viet Nam

*Cisticola njombe*²¹

Churring Cisticola
Malawi, Tanzania, Zambia

*Clytorhynchus hamlini*²¹

Rennell Shrikebill
Solomon Islands

*Clytorhynchus nigrogularis*²¹

Black-throated Shrikebill
Fiji, Solomon Islands

*Cochoa purpurea*²¹

Purple Cochoa
Bhutan, China, India, Laos,
Myanmar, Nepal, Thailand, Viet Nam

*Cochoa viridis*²¹

Green Cochoa
China, India, Laos, Myanmar, Nepal,
Thailand, Viet Nam

*Colluricincla boweri*²¹

Bower's Shrike-thrush
Australia

*Crocias albonotatus*²¹

Spotted Crocias
Indonesia

*Cyornis caerulatus*²¹

Large-billed Blue-flycatcher
Brunei, Indonesia, Malaysia

*Cyornis herioti*²¹

Blue-breasted Flycatcher
Philippines

*Cyornis pallipes*²¹

White-bellied Blue-flycatcher
India

*Cyornis turcosus*²¹

Malaysian Blue-flycatcher
Brunei, Indonesia, Malaysia

*Dromaecercus brunneus*²¹

Brown Emu-tail
Madagascar

*Epthianura crocea*²¹

Yellow Chat
Australia

*Erithacus komadori*²¹

Ryukyu Robin
Japan

*Eumyias albicaudata*²¹

Nilgiri Flycatcher
India

*Eumyias sordida*²¹

Dull-blue Flycatcher
Sri Lanka

*Ficedula harterti*²¹

Sumba Flycatcher
Indonesia

*Ficedula nigrorufa*²¹

Black-and-rufous Flycatcher
India

*Ficedula rufigula*²¹

Rufous-throated Flycatcher
Indonesia

*Ficedula timorensis*²¹

Black-banded Flycatcher
Indonesia



- Garrulax cachinnans*²¹
Rufous-breasted Laughingthrush
India
- Garrulax delesserti*²¹
Wynaad Laughingthrush
India
- Garrulax formosus*²¹
Red-winged Laughingthrush
China, Viet Nam
- Garrulax galbanus*²¹
Yellow-throated Laughingthrush
Bangladesh, China, India, Myanmar
- Garrulax jerdoni*²¹
Grey-breasted Laughingthrush
India
- Garrulax lunulatus*²¹
Barred Laughingthrush
China
- Garrulax maesi*²¹
Grey Laughingthrush
China, Laos, Viet Nam
- Garrulax merulinus*²¹
Spot-breasted Laughingthrush
China, India, Laos, Myanmar,
Thailand, Viet Nam
- Garrulax milnei*²¹
Red-tailed Laughingthrush
China, Laos, Myanmar, Thailand,
Viet Nam
- Garrulax nuchalis*²¹
Chestnut-backed Laughingthrush
India, Myanmar
- Garrulax rufifrons*²¹
Rufous-fronted Laughingthrush
Indonesia
- Garrulax virgatus*²¹
Striped Laughingthrush
India, Myanmar
- Geomalía heinrichi*²¹
Geomalía
Indonesia
- Gerygone albofrontata*²¹
Chatham Islands Warbler
New Zealand
- Heteromyias cinereifrons*²¹
Grey-headed Robin
Australia
- Heterophasia gracilis*²¹
Grey Sibia
China, India, Myanmar
- Hypothymis helenae*²¹
Short-crested Monarch
Philippines
- Illadopsis rufescens*²¹
Rufous-winged Illadopsis
Côte d'Ivoire, Ghana, Liberia,
Senegal, Sierra Leone, Togo
- Kupeornis chapini*²¹
Chapin's Mountain-babbler
Zaire
- Kupeornis rufocinctus*²¹
Red-collared Mountain-babbler
Rwanda, Zaire
- Leptopoecile elegans*²¹
Crested Tit-warbler
China
- Lioptilus nigricapillus*²¹
Bush Blackcap
South Africa
- Luscinia pectardens*²¹
Firethroat
China. * Bangladesh, India
- Macronous kelleyi*²¹
Grey-faced Tit-babbler
Laos, Viet Nam
- Malacopteron albogulare*²¹
Grey-breasted Babbler
Brunei, Indonesia, Malaysia
- Malurus coronatus*²¹
Purple-crowned Fairywren
Australia
- Malurus grayi*²¹
Broad-billed Fairywren
Indonesia, Papua New Guinea
- Mayornis schistaceus*²¹
Vanikoro Monarch
Solomon Islands
- Megalurulus whitneyi*²¹
Guadalcanal Thicketbird
Solomon Islands, Vanuatu
- Microeca hemixantha*²¹
Golden-bellied Flyrobin
Indonesia
- Monarcha browni*²¹
Kolombangara Monarch
Solomon Islands
- Monarcha castus*²¹
Loetoe Monarch
Indonesia
- Monarcha godeffroyi*²¹
Yap Monarch
Federated States of Micronesia
- Monarcha infelix*²¹
Manus Monarch
Papua New Guinea
- Monarcha leucurus*²¹
White-tailed Monarch
Indonesia
- Monarcha loricatus*²¹
Black-tipped Monarch
Indonesia
- Monarcha mundus*²¹
Black-bibbed Monarch
Indonesia
- Muscicapa muttui*²¹
Brown-breasted Flycatcher
China, India. * Myanmar, Sri Lanka,
Thailand
- Myadestes elisabeth*²¹
Cuban Solitaire
Cuba
- Myiagra atra*²¹
Biak Flycatcher
Indonesia
- Myiagra cervinicauda*²¹
Ochre-tailed Flycatcher
Solomon Islands
- Myiophonus robinsoni*²¹
Malayan Whistling-thrush
Malaysia
- Namibornis herero*²¹
Herero Chat
Angola, Namibia
- Napothera macrodactyla*²¹
Large Wren-babbler
Indonesia, Malaysia, Thailand
- Napothera marmorata*²¹
Marbled Wren-babbler
Indonesia, Malaysia
- Neomixis flavoviridis*²¹
Wedge-tailed Jery
Madagascar
- Nesillas mariae*²¹
Moheli Brush-warbler
Comoros
- Nesocichla eremita*²¹
Tristan Thrush
St Helena (Tristan da Cunha)
- Niltava davidi*²¹
Fujian Niltava
China, Laos, Viet Nam. * Hong
Kong, Thailand
- Oreoscopus gutturalis*²¹
Fernwren
Australia
- Origma solitaria*²¹
Origma
Australia
- Orthotomus nigriceps*²¹
Black-headed Tailorbird
Philippines
- Orthotomus samarensis*²¹
Yellow-breasted Tailorbird
Philippines
- Pachycephala implicata*²¹
Hooded Whistler
Papua New Guinea, Solomon Islands
- Pachycephala jacquinoti*²¹
Tongan Whistler
Tonga

- Pachycephala meyeri*²¹
Vogelkop Whistler
Indonesia
- Pachycephala orpheus*²¹
Fawn-breasted Whistler
Indonesia
- Paradoxornis atrosuperciliaris*²¹
Black-browed Parrotbill
Bangladesh, China, India, Laos,
Myanmar, Thailand
- Paradoxornis brunneus*²¹
Brown-winged Parrotbill
China, Myanmar
- Paradoxornis conspicillatus*²¹
Spectacled Parrotbill
China
- Paradoxornis heudei*²¹
Reed Parrotbill
China, Russia
- Paradoxornis ruficeps*²¹
Rufous-headed Parrotbill
Bangladesh, Bhutan, China, India,
Laos, Myanmar, Viet Nam
- Phoenicurus alaschanicus*²¹
Ala Shan Redstart
China
- Phylloscopus cantator*²¹
Yellow-vented Warbler
Bangladesh, Bhutan, India. * China,
India, Laos, Myanmar, Nepal,
Thailand
- Phylloscopus makirensis*²¹
San Cristobal Leaf-warbler
Solomon Islands
- Phylloscopus tyleri*²¹
Tytler's Leaf-warbler
Afghanistan, India, Nepal, Pakistan
- Platysteira albifrons*²¹
White-fronted Wattle-eye
Angola
- Pnoepyga immaculata*²¹
Nepal Wren-babbler
Nepal
- Poliotilta lactea*²¹
Creamy-bellied Gnatcatcher
Argentina, Brazil, Paraguay
- Poliotilta lembeyei*²¹
Cuban Gnatcatcher
Cuba
- Prinia cinereocapilla*²¹
Grey-crowned Prinia
Bhutan, India, Nepal
- Pseudobias wardi*²¹
Ward's Flycatcher
Madagascar
- Pseudocossyphus sharpei*²¹
Forest Rock-thrush
Madagascar
- Pteruthius rufiventer*²¹
Black-headed Shrike-babbler
Bhutan, China, India, Myanmar,
Nepal, Viet Nam
- Ptilocichla leucogrammica*²¹
Bornean Wren-babbler
Brunei, Indonesia, Malaysia
- Ptilocichla mindanensis*²¹
Striated Wren-babbler
Philippines
- Randia pseudozosterops*²¹
Rand's Warbler
Madagascar
- Rhinomyias colonus*²¹
Henna-tailed Jungle-flycatcher
Indonesia
- Rhinomyias oscillans*²¹
Russet-backed Jungle-flycatcher
Indonesia
- Rhipidura euryura*²¹
White-bellied Fantail
Indonesia
- Rhipidura fusciorufa*²¹
Cinnamon-tailed Fantail
Indonesia
- Rhipidura opistherythra*²¹
Long-tailed Fantail
Indonesia
- Rhipidura personata*²¹
Kadavu Fantail
Fiji
- Rhipidura superflua*²¹
Tawny-backed Fantail
Indonesia
- Rhipidura tenebrosa*²¹
Dusky Fantail
Solomon Islands
- Rimator malacoptilus*²¹
Long-billed Wren-babbler
Bhutan, India, Indonesia, Myanmar,
Viet Nam
- Saxicola bifasciata*²¹
Buff-streaked Chat
South Africa
- Saxicola dacotiae*²¹
Fuerteventura Chat
Spain (Canary Is)
- Saxicola gutturalis*²¹
White-bellied Bushchat
Indonesia
- Saxicola jerdoni*²¹
Jerdon's Bushchat
Bangladesh, China, India, Laos,
Myanmar, Thailand, Viet Nam
- Schoenicola platyura*²¹
Broad-tailed Grassbird
India
- Spelaeoris formosus*²¹
Spotted Wren-babbler
Bangladesh, Bhutan, China, India,
Myanmar
- Sphenocichla humei*²¹
Wedge-billed Wren-babbler
China, India, Myanmar
- Stachyris capitalis*²¹
Rusty-crowned Babbler
Philippines
- Stachyris dennistouni*²¹
Golden-crowned Babbler
Philippines
- Stachyris plateni*²¹
Pygmy Babbler
Philippines
- Stachyris whiteheadi*²¹
Chestnut-faced Babbler
Philippines
- Sylvietta philippae*²¹
Short-billed Crombec
Ethiopia, Somalia
- Tarsiger hyperythrus*²¹
Rufous-breasted Bush- robin
Bhutan, China, India, Nepal. *
Myanmar
- Terpsiphone atrocaudata*²¹
Japanese Paradise-flycatcher
Japan, North Korea, Philippines,
South Korea. * China, Indonesia,
Laos, Malaysia, Philippines, Taiwan,
Thailand, Viet Nam
- Terpsiphone bedfordi*²¹
Bedford's Paradise-flycatcher
Zaire
- Terpsiphone cinnamomea*²¹
Rufous Paradise-flycatcher
Philippines
- Terpsiphone cyanescens*²¹
Blue Paradise-flycatcher
Philippines
- Tickellia hodgsoni*²¹
Broad-billed Warbler
China, India, Laos, Myanmar, Nepal,
Viet Nam
- Trichastoma bicolor*²¹
Ferruginous Babbler
Brunei, Indonesia, Malaysia,
Myanmar, Thailand
- Trichastoma rostratum*²¹
White-chested Babbler
Brunei, Indonesia, Malaysia,
Myanmar, Thailand
- Turdoides altirostris*²¹
Iraq Babbler
Iran, Iraq
- Turdoides longirostris*²¹
Slender-billed Babbler
India, Myanmar, Nepal



*Turdus dissimilis*²¹
Black-breasted Thrush
China, India, Myanmar, Viet Nam. *
Bangladesh, Thailand

*Turdus graysoni*²¹
Grayson's Thrush
Mexico

*Turdus haplochrous*²¹
Unicoloured Thrush
Bolivia

*Turdus mupinensis*²¹
Chinese Thrush
China

*Turdus olivaceofuscus*²¹
São Tomé Thrush
São Tomé & Príncipe

*Urosphena subulata*²¹
Timor Stubtail
Indonesia

*Xenocopsychus ansorgei*²¹
Angola Cave-chat
Angola

*Xiphirhynchus superciliaris*²¹
Slender-billed Scimitar-babbler
Bangladesh, Bhutan, China, India,
Myanmar, Nepal, Viet Nam

*Yuhina humilis*²¹
Burmese Yuhina
Myanmar, Thailand

*Zoothera crossleyi*²¹
Crossley's Ground-thrush
Cameroon, Nigeria

*Zoothera erythronota*²¹
Red-backed Thrush
Indonesia

*Zoothera everetti*²¹
Everett's Thrush
Malaysia

*Zoothera machiki*²¹
Fawn-breasted Thrush
Indonesia

*Zoothera margaretae*²¹
Makira Thrush
Solomon Islands

*Zoothera monticola*²¹
Long-billed Thrush
Bangladesh, Bhutan, India,
Myanmar, Nepal, Viet Nam

*Zoothera oberlaenderi*²¹
Forest Ground-thrush
Uganda, Zaire

*Zoothera peronii*²¹
Orange-banded Thrush
Indonesia

*Zoothera schistacea*²¹
Slaty-backed Thrush
Indonesia

*Zoothera spiloptera*²¹
Spot-winged Thrush
Sri Lanka

*Zoothera talaseae*²¹
New Britain Thrush
Papua New Guinea

*Zoothera tanganjicae*²¹
Kivu Ground-thrush
Uganda, Zaire

*Zoothera wardii*²¹
Pied Thrush
Bhutan, India, Nepal. * India, Sri
Lanka

Family AEGITHALIDAE

*Aegithalos fuliginosus*²¹
White-necklaced Tit
China

*Aegithalos niveogularis*²¹
White-throated Tit
India, Nepal, Pakistan

Family PARIDAE

*Parus fringillinus*²¹
Red-throated Tit
Kenya, Tanzania

*Parus holsti*²¹
Yellow Tit
Taiwan

*Parus semilarvatus*²¹
White-fronted Tit
Philippines

Family SITTIDAE

*Sitta villosa*²¹
Snowy-browed Nuthatch
China

*Sitta whiteheadi*²¹
Corsican Nuthatch
France

Family RHABDORNITHIDAE

*Rhabdornis grandis*²¹
Long-billed Rhabdornis
Philippines

Family DICAETIDAE

*Dicaeum anthonyi*²¹
Flame-crowned Flowerpecker
Philippines

*Dicaeum everetti*²¹
Brown-backed Flowerpecker
Indonesia, Malaysia

*Dicaeum vincens*²¹
White-throated Flowerpecker
Sri Lanka

Family NECTARINIDAE

*Aethopyga boltoni*²¹
Apo Sunbird
Philippines

*Anthreptes reichenowi*²¹
Plain-backed Sunbird
Kenya, Mozambique, South Africa,
Tanzania, Zimbabwe

*Arachnothera clarae*²¹
Naked-faced Spiderhunter
Philippines

*Nectarinia loveridgei*²¹
Loveridge's Sunbird
Tanzania

*Nectarinia moreaui*²¹
Moreau's Sunbird
Tanzania

*Nectarinia neergaardi*²¹
Neergaard's Sunbird
Mozambique, South Africa

*Nectarinia pembae*²¹
Pemba Sunbird
Tanzania

*Nectarinia ursulae*²¹
Ursula's Sunbird
Cameroon, Equatorial Guinea

Family ZOSTEROPIDAE

*Heleia muelleri*²¹
Spot-breasted White-eye
Indonesia

*Lophozosterops dohertyi*²¹
Crested White-eye
Indonesia

*Megazosterops palauensis*²¹
Giant White-eye
Palau

*Rukia longirostra*²¹
Long-billed White-eye
Federated States of Micronesia

*Woodfordia lacertosa*²¹
Sanford's White-eye
Solomon Islands

*Zosterops anomalus*²¹
Lemon-throated White-eye
Indonesia

*Zosterops consobrinorum*²¹
Pale-bellied White-eye
Indonesia

*Zosterops flavus*²¹
Javan White-eye
Indonesia, Malaysia

*Zosterops grayi*²¹
Pearl-bellied White-eye
Indonesia

- Zosterops hypolais*²¹
Plain White-eye
Federated States of Micronesia
- Zosterops kuehni*²¹
Ambon Yellow White-eye
Indonesia
- Zosterops mysorensis*²¹
Biak White-eye
Indonesia
- Zosterops natalis*²¹
Christmas Island White-eye
Christmas Island
- Zosterops rennellianus*²¹
Rennell White-eye
Solomon Islands
- Zosterops saypani*²¹
Saipan Bridled White-eye
Northern Marianas
- Zosterops uropygialis*²¹
Golden-bellied White-eye
Indonesia
- Zosterops vaughani*²¹
Pemba White-eye
Tanzania
- Family MELIPHAGIDAE
- Lichenostomus frenatus*²¹
Bridled Honeyeater
Australia
- Lichmera deningeri*²¹
Buru Honeyeater
Indonesia
- Melidectes leucostephes*²¹
Vogelkop Melidectes
Indonesia
- Meliphaga reticulata*²¹
Streaky-breasted Honeyeater
Indonesia
- Myzomela vulnerata*²¹
Red-rumped Myzomela
Indonesia
- Philemon inornatus*²¹
Plain Friarbird
Indonesia
- Xanthotis provocator*²¹
Kadavu Honeyeater
Fiji
- Family EMBERIZIDAE
- Acanthidops bairdii*²¹
Peg-billed Finch
Costa Rica, Panama
- Aimophila notosticta*²¹
Oaxaca Sparrow
Mexico
- Aimophila sumichrasti*²¹
Cinnamon-tailed Sparrow
Mexico
- Amaurospiza moesta*²¹
Blackish-blue Seedeater
Argentina, Brazil, Paraguay
- Amaurospiza relicta*²¹
Slate-blue Seedeater
Mexico
- Ammodramus henslowii*²¹
Henslow's Sparrow
Canada, USA
- Atlapetes fuscoolivaceus*²¹
Dusky-headed Brush-finch
Colombia
- Atlapetes leucopsis*²¹
White-rimmed Brush-finch
Colombia, Ecuador
- Atlapetes rufigenis*²¹
Rufous-eared Brush-finch
Peru
- Bangsia arcaei*²¹
Blue-and-gold Tanager
Costa Rica, Panama
- Camarhynchus pauper*²¹
Medium Tree-finch
Ecuador
- Catamenia oreophila*²¹
Santa Marta Seedeater
Colombia
- Charitospiza eucosma*²¹
Coal-crested Finch
Argentina, Brazil
- Conothraupis speculigera*²¹
Black-and-white Tanager
Ecuador, Peru
- Cypsnagra hirundinacea*²¹
White-rumped Tanager
Bolivia, Brazil, Paraguay
- Dacnis albiventris*²¹
White-bellied Dacnis
Brazil, Colombia, Ecuador, Peru,
Venezuela
- Dacnis viguieri*²¹
Viridian Dacnis
Colombia, Panama
- Diglossa gloriosissima*²¹
Chestnut-bellied Flower-piercer
Colombia
- Emberiza cineracea*²¹
Cinereous Bunting
Greece, Iran, Turkey, * Bahrain,
Egypt, Eritrea, Ethiopia, Israel,
Jordan, Kuwait, Lebanon, Saudi
Arabia, Sudan, Syria, United Arab
Emirates, Yemen
- Emberiza koslowi*²¹
Tibetan Bunting
China
- Emberiza yessoensis*²¹
Ochre-rumped Bunting
China, Japan, Russia * China, North
Korea, South Korea
- Emberizoides ypiranganus*²¹
Grey-cheeked Grass-finch
Argentina, Bolivia, Paraguay
- Embernagra longicauda*²¹
Pale-throated Pampa-finch
Brazil
- Euphonia chalybea*²¹
Green-chinned Euphonia
Argentina, Brazil, Paraguay
- Habia gutturalis*²¹
Sooty Ant-tanager
Colombia
- Hemispingus rufosuperciliaris*²¹
Rufous-browed Hemispingus
Ecuador, Peru
- Incapiza ortizi*²¹
Grey-winged Inca-finch
Peru
- Incapiza watkinsi*²¹
Little Inca-finch
Peru
- Iridosornis porphyrocephala*²¹
Purplish-mantled Tanager
Colombia, Ecuador
- Latoucheornis siemsseni*²¹
Slaty Bunting
China
- Melanodera melanodera*²¹
Canary-winged Finch
Argentina, Chile, Falkland Islands
- Melanospiza richardsoni*²¹
St Lucia Black Finch
St Lucia
- Neothraupis fasciata*²¹
White-banded Tanager
Bolivia, Brazil, Paraguay
- Orchesticus abeillei*²¹
Brown Tanager
Brazil
- Oreomanes fraseri*²¹
Giant Conebill
Bolivia, Colombia, Ecuador, Peru
- Oryzoborus crassirostris*²¹
Large-billed Seed-finch
Brazil, Colombia, Ecuador, French
Guiana, Guyana, Peru, Suriname,
Trinidad and Tobago, Venezuela
- Oryzoborus maximiliani*²¹
Great-billed Seed-finch
Brazil, French Guiana, Trinidad and
Tobago, Venezuela
- Passerina rositae*²¹
Rose-bellied Bunting
Mexico



- Poospiza cinerea*²¹
Cinereous Warbling-finch
Brazil
- Porphyrospiza caerulescens*²¹
Yellow-billed Blue Finch
Bolivia, Brazil
- Saltator cinctus*²¹
Masked Saltator
Ecuador, Peru
- Saltator maxillosus*²¹
Thick-billed Saltator
Argentina, Brazil, Paraguay
- Sicalis luteocephala*²¹
Citron-headed Yellow-finch
Bolivia
- Sporophila cinnamomea*²¹
Chestnut Seedeater
Argentina, Brazil, Paraguay
- Sporophila hypochroma*²¹
Grey-and-chestnut Seedeater
Argentina, Bolivia, Brazil, Paraguay
- Sporophila melanogaster*²¹
Black-bellied Seedeater
Brazil
- Sporophila ruficollis*²¹
Dark-throated Seedeater
Argentina, Bolivia, Brazil, Paraguay,
Uruguay
- Tangara fucosa*²¹
Green-naped Tanager
Panama
- Tangara johannae*²¹
Blue-whiskered Tanager
Colombia, Ecuador
- Tangara phillipsi*²¹
Sira Tanager
Peru
- Tangara varia*²¹
Dotted Tanager
Brazil, French Guiana, Suriname,
Venezuela
- Thraupis cyanopectera*²¹
Azure-shouldered Tanager
Brazil
- Xenodacnis parina*²¹
Tit-like Dacnis
Ecuador, Peru
- Family **PARULIDAE**
- Basileuterus basilicus*²¹
Santa Marta Warbler
Colombia
- Basileuterus cinereicollis*²¹
Grey-throated Warbler
Colombia, Venezuela
- Basileuterus conspicillatus*²¹
White-lored Warbler
Colombia
- Basileuterus ignotus*²¹
Pirre Warbler
Colombia, Panama
- Conirostrum margaritae*²¹
Pearly-breasted Conebill
Brazil, Peru
- Dendroica angelae*²¹
Elfin-woods Warbler
Puerto Rico
- Dendroica vitellina*²¹
Vitelline Warbler
Cayman Islands, Honduras
- Ergaticus versicolor*²¹
Pink-headed Warbler
Guatemala, Mexico
- Geothlypis flavovelata*²¹
Altamira Yellowthroat
Mexico
- Myioborus albifacies*²¹
White-faced Whitestart
Venezuela
- Vermivora crissalis*²¹
Colima Warbler
Mexico, USA
- Family **DREPANIDIDAE**
- Paroreomyza montana*²¹
Maui Alauahio
USA
- Family **VIREONIDAE**
- Vireo brevipennis*²¹
Slaty Vireo
Mexico
- Vireo nelsoni*²¹
Dwarf Vireo
Mexico
- Vireo osburni*²¹
Blue Mountain Vireo
Jamaica
- Vireolanius melitophrys*²¹
Chestnut-sided Shrike-vireo
Guatemala, Mexico
- Family **ICTERIDAE**
- Icterus laudabilis*²¹
St Lucia Oriole
St Lucia
- Icterus oberi*²¹
Montserrat Oriole
Montserrat
- Macroagelaius subalaris*²¹
Mountain Grackle
Colombia
- Nesopsar nigerrimus*²¹
Jamaican Blackbird
Jamaica
- Quiscalus nicaraguensis*²¹
Nicaraguan Grackle
Costa Rica, Nicaragua
- Family **FRINGILLIDAE**
- Carduelis atriceps*²¹
Black-capped Siskin
Guatemala, Mexico
- Carduelis monguilloti*²¹
Vietnam Greenfinch
Viet Nam
- Pyrhula aurantiaca*²¹
Orange Bullfinch
India, Pakistan
- Pyrhula leucogenis*²¹
White-cheeked Bullfinch
Philippines
- Serinus leucopterus*²¹
Protea Canary
South Africa
- Serinus melanochrous*²¹
Kipengere Seedeater
Tanzania
- Serinus symonsi*²¹
Drakensberg Siskin
Lesotho, South Africa
- Serinus totta*²¹
Cape Siskin
South Africa
- Family **ESTRILDIDAE**
- Estrilda thomensis*²¹
Cinderella Waxbill
Angola, Namibia
- Heteromunia pectoralis*²¹
Pictorella Munia
Australia
- Lagonosticta virata*²¹
Mali Firefinch
Mali
- Lonchura flaviprymna*²¹
Yellow-rumped Munia
Australia
- Lonchura nevermanni*²¹
Grey-crowned Munia
Indonesia, Papua New Guinea
- Lonchura stygia*²¹
Black Munia
Indonesia, Papua New Guinea
- Padda fuscata*²¹
Timor Sparrow
Indonesia
- Stagonopleura oculata*²¹
Red-eared Firetail
Australia

Family PLOCEIDAE

*Euplectes aureus*²¹
Golden-backed Bishop
Angola

*Euplectes jacksoni*²¹
Jackson's Widowbird
Kenya, Tanzania

*Ploceus hypoxanthus*²¹
Asian Golden Weaver
Cambodia, Indonesia, Laos,
Myanmar, Thailand, Viet Nam

*Ploceus spekeoides*²¹
Fox's Weaver
Uganda

Family STURNIDAE

*Acridotheres albocinctus*²¹
Collared Myna
China, India, Myanmar

*Aplonis crassa*²¹
Tanimbar Starling
Indonesia

*Aplonis insularis*²¹
Rennell Starling
Solomon Islands

*Aplonis mystacea*²¹
Yellow-eyed Starling
Indonesia, Papua New Guinea

*Aplonis zelandica*²¹
Rusty-winged Starling
Solomon Islands, Vanuatu

*Basilornis galeatus*²¹
Helmeted Myna
Indonesia

*Basilornis miranda*²¹
Apo Myna
Philippines

*Lamprotornis cupreocauda*²¹
Copper-tailed Glossy-starling
Côte d'Ivoire, Ghana, Guinea,
Liberia, Sierra Leone

*Saroglossa spiloptera*²¹
Spot-winged Starling
India, Nepal. * Bangladesh, India,
Myanmar, Nepal, Thailand

*Streptocitta albertinae*²¹
Bare-eyed Myna
Indonesia

*Sturnus erythropygius*²¹
White-headed Starling
India

*Sturnus melanopterus*²¹
Black-winged Starling
Indonesia

*Sturnus philippensis*²¹
Chestnut-cheeked Starling
Japan, Russia. * China, Indonesia,
Japan, Philippines, Taiwan

*Sturnus senex*²¹
White-faced Starling
Sri Lanka

*Sturnus sericeus*²¹
Red-billed Starling
China. * Hong Kong, Viet Nam

Family ORIOLIDAE

*Oriolus hosii*²¹
Black Oriole
Malaysia

Family DICRURIDAE

*Dicrurus aldabranus*²¹
Aldabra Drongo
Seychelles

*Dicrurus andamanensis*²¹
Andaman Drongo
India, Myanmar

*Dicrurus modestus*²¹
Príncipe Drongo
São Tomé & Príncipe

*Dicrurus sumatranus*²¹
Sumatran Drongo
Indonesia

Family PTILONORHYNCHIDAE

*Ailuroedus dentirostris*²¹
Tooth-billed Catbird
Australia

*Amblyornis flavifrons*²¹
Golden-fronted Bowerbird
Indonesia

Family PARADISAEIDAE

*Astrapia nigra*²¹
Arfak Astrapia
Indonesia

*Cicinnurus respublica*²¹
Wilson's Bird-of-paradise
Indonesia

*Epimachus bruijnii*²¹
Pale-billed Sickbill
Indonesia, Papua New Guinea

*Paradigalla carunculata*²¹
Long-tailed Paradigalla
Indonesia

*Paradisaea guilielmi*²¹
Emperor Bird-of-paradise
Papua New Guinea

*Paradisaea rubra*²¹
Red Bird-of-paradise
Indonesia

*Ptiloris paradiseus*²¹
Paradise Riflebird
Australia

*Semioptera wallacii*²¹
Standardwing
Indonesia

Family CORVIDAE

*Cissa hypoleuca*²¹
Yellow-breasted Magpie
China, Laos, Thailand, Viet Nam

*Cissa thalassina*²¹
Short-tailed Magpie
Indonesia, Malaysia

*Corvus fuscicapillus*²¹
Brown-headed Crow
Indonesia

*Corvus meeki*²¹
Bougainville Crow
Papua New Guinea, Solomon Islands

*Corvus palmarum*²¹
Palm Crow
Cuba, Dominican Republic, Haiti

*Corvus woodfordi*²¹
White-billed Crow
Solomon Islands

*Cyanocorax caeruleus*²¹
Azure Jay
Argentina, Brazil

*Cyanocorax dickeyi*²¹
Tufted Jay
Mexico

*Cyanolyca pulchra*²¹
Beautiful Jay
Colombia, Ecuador

*Dendrocitta bayleyi*²¹
Andaman Treepie
India

*Dendrocitta leucogastra*²¹
White-bellied Treepie
India

*Platymurum leucopterus*²¹
Black Magpie
Brunei, Indonesia, Malaysia,
Myanmar, Thailand

*Urocissa whiteheadi*²¹
White-winged Magpie
China, Laos, Viet Nam

Class REPTILIA

Order SAURIA

Family ANGUIDAE

*Diploglossus warreni*¹²⁶
Haiti

Family CHAMAELEONIDAE

*Bradypodion nemorale*¹⁸⁵
Zululand Dwarf Chamaeleon
South Africa



*Bradypodion thamnobates*¹⁸⁵
Natal Midland Dwarf Chamaeleon
South Africa

Family **CORDYLIDAE**

*Cordylus lawrencei*¹⁸⁵
Lawrence's Girdled Lizard
South Africa

*Gerrhosaurus typicus*¹⁸⁵
Namaqua Plated Lizard
South Africa

*Platysaurus relictus*¹⁸⁵
Soutpansberg Flat Lizard
South Africa

*Pseudocordylus langi*¹⁸⁵
Lang's Crag Lizard
Lesotho, South Africa

*Pseudocordylus spinosus*¹⁸⁵
Spiny Crag Lizard
South Africa

Family **GEKKONIDAE**

*Afroedura hawequensis*¹⁸⁵
Hawequa Flat Gecko
South Africa

*Homopholis mulleri*¹⁸⁵
Muller's Velvet Gecko
South Africa

*Hoplodactylus kahutarae*¹⁴
Black-eyed Gecko
New Zealand

*Hoplodactylus rakiurae*¹⁴
Harlequin Gecko
New Zealand

*Phelsuma ocellata*¹⁸⁵
Namaqua Day Gecko
Namibia, South Africa

*Phyllodactylus microlepidotus*¹⁸⁵
Small-scaled Leaf-toed Gecko
South Africa

*Underwoodisaurus sphyurus*¹⁴
Australia

Family **LACERTIDAE**

*Lacerta rupicola*¹⁸⁵
Soutpansberg Rock Lizard
South Africa

*Lacerta schreiberi*⁶⁵
Portugal, Spain

Family **PYGOPODIDAE**

*Aprasia pseudopulchella*¹⁴
Flinders Ranges Worm-lizard
Australia

Family **SCINCIDAE**

*Coeranoscincus reticulatus*¹⁴
Three-toed Snake-tooth Skink
Australia

*Eumeces kishinouyei*¹⁸⁵
Kishinoue's Giant Skink
Japan (Nansei-shoto)

*Oligosoma fallai*¹⁴
Falla's Skink
New Zealand

*Oligosoma infrapunctatum*¹⁴
Speckled Skink
New Zealand

*Scelotes gronovii*¹⁸⁵
Gronovi's Dwarf Burrowing Skink
South Africa

Order **SERPENTES**

Family **BOIDAE**

*Epicrates angulifer*⁵⁸
Cuban Boa
Cuba

*Epicrates inornatus*¹⁷⁴
Puerto Rican Boa
Puerto Rico

*Python molurus*¹⁸⁵
Indian Python
Bangladesh, Cambodia, China, Hong
Kong, India, Indonesia, Laos,
Myanmar, Nepal, Pakistan, Sri
Lanka, Thailand, Viet Nam

Family **COLUBRIDAE**

*Homoroselaps dorsalis*¹⁸⁵
Striped Harlequin Snake
South Africa, Swaziland

*Lamprophis fuscus*¹⁸⁵
Yellow-bellied House Snake
South Africa

*Lamprophis swazicus*¹⁸⁵
Swazi Rock Snake
South Africa, Swaziland

*Opheodrys herminae*¹⁸⁵
Sakashima Green Snake
Japan (Nansei-shoto)

Family **ELAPIDAE**

*Elapognathus minor*¹⁴
Short-nosed Snake
Australia

*Simoselaps calonotus*¹⁴
Black-striped Snake
Australia

Order **TESTUDINES**

Family **CHELIDAE**

*Acanthochelys macrocephala*¹⁷⁶
Pantanal Swamp Turtle
Argentina, Bolivia, Brazil, Paraguay

*Acanthochelys radiolata*¹⁷⁶
Brazilian Radiolated Swamp Turtle
Brazil

*Acanthochelys spixii*¹⁷⁶
Spiny-neck Turtle
Argentina, Brazil, Paraguay?,
Uruguay

*Chelodina oblonga*¹⁷⁶
Narrow-breasted Snake-necked
Turtle
Australia

*Phrynops rufipes*¹⁷⁶
Red Side-necked Turtle
Brazil, Colombia, Peru?

*Phrynops vanderhaegei*¹⁷⁶
Vanderhaege's Toad-headed Turtle
Argentina, Bolivia?, Brazil,
Paraguay, Uruguay?

Family **EMYDIDAE**

*Cuora amboinensis*¹⁷⁶
South Asian Box Turtle
Bangladesh, Brunei, Cambodia?,
India, Indonesia, Malaysia,
Myanmar, Philippines, Thailand,
Viet Nam

*Cuora galbinifrons*¹⁷⁶
Indochinese Box Turtle
China, Viet Nam

*Emydoidea blandingii*¹⁷⁶
Blanding's Turtle
Canada, USA

*Emys orbicularis*¹⁷⁶
European Pond Turtle
Albania, Algeria, Armenia, Austria,
Azerbaijan, Belarus, Belgium,
Bosnia and Herzegovina, Bulgaria,
Croatia, Cyprus?, Czech Republic,
France, Georgia, Germany, Greece,
Hungary, Iran, Kazakhstan, Latvia,
Liechtenstein?, Lithuania,
Macedonia, Moldova, Monaco?,
Morocco, Netherlands, Poland,
Portugal, Romania, Russia, Slovakia,
Slovenia, Spain, Switzerland,
Tunisia, Turkey, Turkmenistan,
Ukraine, Yugoslavia

*Geoclemys hamiltonii*¹⁷⁶
Spotted Pond Turtle
Bangladesh, India, Nepal?, Pakistan

*Graptemys barbouri*¹⁷⁶
Barbour's Map Turtle
USA

*Graptemys ernsti*¹⁷⁶
Escambia Map Turtle
USA

*Graptemys gibbonsi*¹⁷⁶
Pascagoula Map Turtle
USA

*Graptemys nigrinoda*¹⁷⁶
Black-knobbed Map Turtle
USA
[R. Tombigbee-Black
Warrior-Alabama]

*Graptemys versa*¹⁷⁶
Texas Map Turtle
USA
[R. Colorado]

*Hardella thurjii*¹⁷⁶
Crowned River Turtle
Bangladesh, India?, Nepal, Pakistan

*Heosemys grandis*¹⁷⁶
Giant Asian Pond Turtle
Cambodia, Malaysia, Myanmar,
Thailand, Viet Nam

*Kachuga dhongoka*¹⁷⁶
Three-striped Roof Turtle
Bangladesh, India, Nepal

*Malaclemys terrapin*¹⁷⁶
Diamondback Terrapin
USA

*Morenia ocellata*¹⁷⁶
Burmese Eyed Turtle
Myanmar

*Morenia petersi*¹⁷⁶
Indian Eyed Turtle
Bangladesh, India, Nepal?

*Ocadia sinensis*¹⁷⁶
Chinese Stripe-necked Turtle
China, Laos?, Taiwan, Viet Nam

*Orlitia borneensis*¹⁷⁶
Malaysian Giant Turtle
Indonesia, Malaysia

*Pseudemys gorzugi*¹⁷⁶
Rio Grande Cooter
Mexico, USA

*Pseudemys rubriventris*¹⁷⁶
American Red-bellied Turtle
USA

*Rhinoclemmys annulata*¹⁷⁶
Brown Wood Turtle
Colombia, Costa Rica, Ecuador,
Honduras, Nicaragua, Panama

*Rhinoclemmys funerea*¹⁷⁶
Black Wood Turtle
Costa Rica, Honduras, Nicaragua,
Panama

*Rhinoclemmys nasuta*¹⁷⁶
Large-nosed Wood Turtle
Colombia, Ecuador

*Terrapene carolina*¹⁷⁶
Common Box Turtle
Mexico, USA

*Terrapene ornata*¹⁷⁶
Ornate Box Turtle
Mexico, USA

*Trachemys scripta*¹⁷⁶
Common Slider
Belize, Colombia, Costa Rica,
El Salvador, France [int], Germany
[int], Guadeloupe [int], Guatemala,
Honduras, Israel [int], Mexico,
Netherlands [int], Nicaragua,
Panama, South Africa [int], USA,
Venezuela

*Trachemys stejnegeri*¹⁷⁶
Central Antillean Slider
Bahamas, Dominican Republic,
Haiti, Puerto Rico

Family **KINOSTERNIDAE**

*Claudius angustatus*¹⁷⁶
Narrow-bridged Musk Turtle
Belize, Guatemala, Mexico

*Kinosternon acutum*¹⁷⁶
Tabasco Mud Turtle
Belize, Guatemala, Mexico

*Kinosternon creaseri*¹⁷⁶
Creaser's Mud Turtle
Mexico

*Kinosternon oaxacae*¹⁷⁶
Oaxaca Mud Turtle
Mexico

*Staurotypus salvinii*¹⁷⁶
Giant Musk Turtle
El Salvador, Guatemala, Mexico

*Staurotypus triporcatus*¹⁷⁶
Mexican Musk Turtle
Belize, Guatemala, Honduras,
Mexico

Family **TESTUDINIDAE**

*Homopus signatus*³⁰
Speckled Cape Tortoise
Namibia?, South Africa

*Kinixys natalensis*¹⁷⁶
Natal Hinge-back Tortoise
Mozambique, South Africa,
Swaziland

*Testudo hermanni*¹⁷⁶
Albania, Austria, Bulgaria, France,
Greece, Italy, Macedonia, Malta
[int], Romania, Slovenia, Spain [int]
(Balearic Is), Turkey, Yugoslavia

Family **TRIONYCHIDAE**

*Aspideretes leithii*¹⁷⁶
Leith's Softshell Turtle
India

*Cyclanorbis elegans*¹⁷⁶
Nubian Flapshell Turtle
Benin?, Chad, Ethiopia?, Ghana,
Nigeria, Sudan, Togo

*Cyclanorbis senegalensis*¹⁷⁶
Senegal Flapshell Turtle
Benin, Burkina Faso, Cameroon?,
Chad, Côte d'Ivoire, Ethiopia?,
Gambia, Ghana, Guinea-Bissau,
Mali, Mauritania?, Nigeria, Senegal,
Sudan, Togo

*Cycloderma frenatum*¹⁷⁶
Zambezi Flapshell Turtle
Malawi, Mozambique, Tanzania,
Zimbabwe

*Palea steindachneri*¹⁷⁶
Wattle-necked Softshell Turtle
China, Mauritius [int], USA [int]
(Hawaiian Is), Viet Nam

Class **AMPHIBIA**

Order **ANURA**

Family **BUFONIDAE**

*Bufo retiformis*⁷⁵
Sonoran Green Toad
Mexico, USA

*Capensibufo rosei*¹⁸⁵
Cape Mountain Toad
South Africa

Family **HYLIDAE**

*Hyla andersonii*⁷⁵
Pine Barrens Tree Frog
USA

*Hyla arborea*⁶⁵
European Tree Frog
Albania, Armenia, Austria,
Azerbaijan, Belarus, Belgium,
Bosnia and Herzegovina, Bulgaria,
Croatia, Czech Republic, Denmark,
France, Georgia, Germany, Greece,
Hungary, Iran, Italy, Liechtenstein,
Lithuania, Luxembourg, Moldova,
Netherlands, Poland, Portugal,
Romania, Russia, Slovakia, Slovenia,
Spain, Sweden, Switzerland, Turkey,
Ukraine, United Kingdom? [int],
Yugoslavia

*Litoria aurea*¹⁴
Green and Golden Bell Frog
Australia

*Litoria brevipalmata*¹⁴
Green-thighed Frog
Australia

Family **LEIOPELMATIDAE**

*Leiopelma archeyi*¹⁴
Archey's Frog
New Zealand

Family **MYOBATRACHIDAE**

*Adelotus brevis*¹⁴
Tusked Frog
Australia

*Heleioporus albopunctatus*¹⁴
Western Spotted Frog
Australia

*Lechriodus fletcheri*¹⁴
Fletcher's Frog
Australia

*Mixophyes fasciolatus*¹⁴
Great Barred Frog
Australia

*Pseudophryne australis*¹⁴
Red-crowned Toadlet
Australia

*Pseudophryne bibronii*¹⁴
Bibron's Toadlet
Australia

Family **RANIDAE**

*Anhydrophryne rattrayi*¹⁸⁵
Hogsback Frog
South Africa

*Cacosternum capense*¹⁸⁵
Cape Caco
South Africa

*Rana dracomontana*¹⁸⁵
Drakensberg Frog
Lesotho, South Africa?

*Rana latastei*⁶⁵
Italian Agile Frog
Croatia, Italy, Slovenia, Switzerland

Order **CAUDATA**Family **PLETHODONTIDAE**

*Aneides aeneus*¹⁸⁵
Green Salamander
USA

*Plethodon caddoensis*¹⁸⁵
USA

*Plethodon fourchensis*¹⁸⁵
USA

*Plethodon ouachitae*¹⁸⁵
USA

*Speleomantes genei*⁶⁵
Sardinian or Brown Cave Salamander
Italy

*Speleomantes imperialis*⁶⁵
Italy

*Speleomantes supramontes*⁶⁵
Italy

Family **SALAMANDRIDAE**

*Mertensiella caucasica*⁶⁵
Caucasian Salamander
Georgia, Turkey

Class

CEPHALASPIDOMORPHI

Order

PETROMYZONTIFORMESFamily **PETROMYZONTIDAE**

*Eudontomyzon danfordi*¹⁸⁵
Carpathian Brook Lamprey
Austria?, Bosnia and Herzegovina?,
Bulgaria, Croatia?, Czech Republic?,
Hungary, Moldova?, Romania,
Slovakia, Ukraine?, Yugoslavia
[R. Danube]

*Eudontomyzon vladkovi*¹⁸⁵
Vladykov's Lamprey
Austria?, Bulgaria?, Romania,
Yugoslavia

*Lampetra fluviatilis*¹⁸⁵
River Lamprey
Albania, Austria, Belgium, Czech
Republic (ex?), Denmark, Estonia,
Finland, France, Germany, Ireland,
Italy, Latvia, Lithuania,
Luxembourg?, Netherlands, Norway,
Poland, Portugal, Russia, Slovakia
(ex?), Spain (ex?), Sweden,
Switzerland (ex), United Kingdom

*Lampetra hubbsi*⁷⁵
Kern Brook Lamprey
USA

*Lampetra planeri*¹⁸⁵
Brook Lamprey
Austria, Belgium, Bulgaria?, Czech
Republic, Estonia, Finland, France,
Germany, Ireland, Italy, Latvia,
Lithuania, Luxembourg?,
Netherlands, Norway, Portugal,
Russia, Slovakia, Spain, Sweden,
Switzerland, United Kingdom

Class **ACTINOPTERYGII**Order **ACIPENSERIFORMES**Family **ACIPENSERIDAE**

*Acipenser oxyrinchus*¹⁷⁰
Atlantic Sturgeon
Canada, Mexico, USA

[Atlantic (northwest, northwest,
western central, western central)]

*Acipenser transmontanus*¹⁷⁰
White Sturgeon
Canada, USA

Order **OSTEOGLOSSIFORMES**Family **OSTEOGLOSSIDAE**

*Scleropages leichhardtii*¹⁷⁹
Southern Saratoga
Australia

Family **NOTOPTERIDAE**

*Chitala blanci*¹⁰¹
Cambodia, Thailand

Order **CYPRINIFORMES**Family **CYPRINIDAE**

*Barbus caninus*¹⁰¹
Italy, Switzerland

*Barbus hospes*¹⁵⁸
Namaquab Barb
Namibia, South Africa

*Barbus plebejus*¹⁰¹
Croatia, Italy, Slovenia, Switzerland

*Barbus sclateri*¹⁸⁵
Portugal, Spain

*Barbus tyberinus*¹⁰¹
Italy

*Capoeta pestai*¹⁸⁵
Siraz Baligi
Turkey
[L. Beysehir, L. Egirdir]

*Chalcalburnus belvica*¹⁸⁵
Albania, Greece, Macedonia?
[L. Prespa]

*Chondrostoma genei*¹⁸⁵
South European Nase
Italy, Slovenia (ex)

*Chondrostoma prespensis*¹⁸⁵
Albania, Greece, Macedonia?

*Cyprinella callitaenia*⁷⁵
Bluestripe Shiner
USA
[R. Apalachicola]

*Cyprinella monacha*⁷⁵
Turquoise Shiner
USA

*Gila intermedia*⁷⁵
Gila Chub
Mexico, USA

*Leuciscus lucumontis*¹⁸⁵
Italy

*Macrhybopsis meeki*⁷⁵

Sicklefin Chub
USA

*Notropis perpallidus*⁷⁵

Colorless Shiner
USA

*Oregonichthys kalawatseti*⁷⁵

Umpqua Chub
USA

*Pachychilon pictum*¹⁸⁵

Albanian Roach
Albania, Greece, Yugoslavia

*Phoxinellus pleurobipunctatus*¹⁸⁵

Greece

*Phoxinellus zeregii*¹⁸⁵

Turkey

*Phoxinus tennesseensis*⁷⁵

Tennessee Dace
USA

*Pseudobarbus afer*¹⁵⁸

Eastern Cape Redfin
South Africa

*Pseudophoxinus stymphalicus*¹⁸⁵

Dáska
Greece

*Rutilus macedonicus*¹⁸⁵

Greece

Family COBITIDAE

*Cobitis meridionalis*¹⁸⁵

Albania?, Greece, Macedonia?

*Cobitis paludica*¹⁸⁵

Portugal, Spain

*Misgurnis fossilis*¹⁰¹

Weatherfish

Austria, Belarus, Belgium, Bosnia and Herzegovina?, Bulgaria, Croatia, Czech Republic, Estonia, France, Germany, Hungary, Latvia, Lithuania, Luxembourg, Moldova, Netherlands, Poland, Romania, Russia, Slovakia, Slovenia, Switzerland, Ukraine, Yugoslavia

*Sabanjewia larvata*¹⁸⁵

Italian Loach
Italy

Family CATOSTOMIDAE

*Catostomus snyderi*⁷⁵

Klamath Largescale Sucker
USA

*Cycleptus elongatus*⁷⁵

Blue Sucker
Mexico, USA

*Moxostoma hamiltoni*¹⁸⁵

Rustyside Sucker
USA
[R. Dan]

Order SILURIFORMES

Family ICTALURIDAE

*Noturus munitus*⁷⁵

Frecklebelly Madtom
USA

*Noturus placidus*⁷⁵

Neosho Madtom
USA

Family TRICHOMYCTERIDAE

*Trichomycterus laucaensis*¹⁸⁵

Chile

*Trichomycterus rivulatus*¹⁸⁵

Chile

Order SALMONIFORMES

Family UMBRIDAE

*Novumbra hubbsi*⁷⁵

Olympic Mudminnow
USA

Family LEPIDOGALAXIIDAE

*Lepidogalaxias salamandroides*¹⁷⁹

Salmanderfish
Australia

Family GALAXIIDAE

*Galaxias zebratus*¹⁵⁸

Cape Galaxias
South Africa

*Galaxiella munda*¹⁷⁹

Western Mud Minnow
Australia

*Galaxiella nigrostriata*¹⁷⁹

Black-striped Minnow
Australia

*Neochanna apoda*¹¹³

Brown Mudfish
New Zealand

Order ATHERINIFORMES

Family ATHERINIDAE

*Basilichthys australis*¹⁸⁵

Chile

*Cauque mauleanum*¹⁸⁵

Chile

*Craterocephalus centralis*¹⁷⁹

Finke River Hardyhead
Australia

*Craterocephalus helena*¹⁷⁹

Drysdale Hardyhead
Australia

*Craterocephalus lentiginosus*¹⁷⁹

Prince Regent Hardyhead
Australia

*Melanotaenia gracilis*¹⁷⁹

Slender Rainbowfish
Australia

*Melanotaenia pygmaea*¹⁷⁹

Pygmy Rainbowfish
Australia

*Menidia conchorum*¹⁸⁵

Key Silverside
USA

Order

CYPRINODONTIFORMES

Family CYPRINODONTIDAE

*Orestias laucaensis*¹⁸⁵

Chile
[R. Lauca]

Family POECILIIDAE

*Gambusia senilis*⁷⁵

Guayacon Pinto
Mexico, USA

*Poeciliopsis occidentalis*⁷⁵

Charalito
Mexico, USA

Order BELONIFORMES

Family HEMIRAMPHIDAE

*Dermogenys megarramphus*¹⁰¹

Indonesia
[Malili Lakes]

Order PERCIFORMES

Family SERRANIDAE

*Epinephelus marginatus*⁹¹

Brown Grouper
[Atlantic (eastern central, southeast, southwest), Mediterranean and Black Sea]

*Paralabrax dewegeri*¹

Meo Viejo
Venezuela
[Atlantic (western central)]

Family TERAPONTIDAE

*Hephaestus epirrhinos*¹⁷⁹

Long-nose Sooty Grunter
Australia

*Leiopotherapon aheneus*¹⁷⁹

Fortesque Grunter
Australia



*Leiopotherapon macrolepis*¹⁷⁹
Large-scale Grunter
Australia

*Pingalla midgleyi*¹⁷⁹
Midgley's Grunter
Australia

*Syncomistes kimberleyensis*¹⁷⁹
Kimberley Grunter
Australia

*Syncomistes rastellus*¹⁷⁹
Drysdale Grunter
Australia

Family CENTRARCHIDAE

*Micropterus notius*⁷⁵
Suwannee Bass
USA

Family ELASSOMATIDAE

*Elassoma boehlkei*⁷⁵
Carolina Pygmy Sunfish
USA

Family PERCIDAE

*Etheostoma acuticeps*⁷⁵
Sharphead Darter
USA

*Etheostoma cragini*⁷⁵
Arkansas Darter
USA
[R. Arkansas]

*Etheostoma kanawhae*⁷⁵
Kanawha Darter
USA
[R. New]

*Etheostoma luteovinctum*⁷⁵
Redband Darter
USA

*Etheostoma maculatum*⁷⁵
Spotted Darter
USA
[R. Ohio]

*Etheostoma osburni*⁷⁵
Finescale Saddled Darter
USA
[R. New]

*Etheostoma rubrum*⁷⁵
Bayou Darter
USA
[R. Bayou Pierre and tributaries]

*Percina macrocephala*⁷⁵
Longhead Darter
USA
[R. Ohio]

*Percina nasuta*⁷⁵
Longnose Darter
USA

*Percina uranidea*⁷⁵
Stargazing Darter
USA

Family ELEOTRIDAE

*Butis butis*¹⁵⁸
Duckbill Sleeper
Mozambique, South Africa

*Eleotris melanosoma*¹⁵⁸
Broadhead Sleeper
Mozambique, South Africa

*Hypseleotris dayi*¹⁵⁸
Golden Sleeper
South Africa

*Hypseleotris ejuncida*¹⁷⁹
Slender Gudgeon
Australia

*Hypseleotris kimberleyensis*¹⁷⁹
Barnett River Gudgeon
Australia

*Hypseleotris regalis*¹⁷⁹
Prince Regent Gudgeon
Australia

*Kimberleyeleotris hutchinsi*¹⁷⁹
Mitchell Gudgeon
Australia

*Kimberleyeleotris notata*¹⁷⁹
Drysdale Gudgeon
Australia

Family GOBIIDAE

*Croilia mossambica*¹⁵⁸
Naked Goby
Mozambique, South Africa

*Glossogobius biocellatus*¹⁵⁸
Sleepy Goby
Mozambique, South Africa, Tanzania

*Oligolepis keiensis*¹⁵⁸
Kei Goby
Mozambique, South Africa

*Padogobius martensii*¹⁸⁵
Croatia, Italy, Slovenia, Switzerland

*Papillogobius melanobranchus*¹⁵⁸
Blackthroat Goby
Mozambique, South Africa

*Papillogobius reichei*¹⁵⁸
Tropical Sand Goby
Mozambique, South Africa, Tanzania

*Priolepis robinsi*¹
[Atlantic (western central)]

*Redigobius bikolanus*¹⁵⁸
Bigmouth Goby
Mozambique, South Africa

*Redigobius dewaali*¹⁵⁸
Checked Goby
Mozambique, South Africa

*Sicydium stimpsoni*¹⁸⁵
Oopu Nopili
USA (Hawaiian Is)

*Silhouettea sibayi*¹⁵⁸
Sibayi Goby
Mozambique, South Africa

*Taenioides jacksoni*¹⁵⁸
Bearded Eelgoby
South Africa

Class ECHINOIDEA

Order ECHINOIDA

Family ECHINIDAE

*Echinus esculentus*¹⁸⁵
European Edible Sea Urchin
Belgium, Denmark, France, Ireland,
Netherlands, Norway, Portugal,
Spain, Sweden, United Kingdom
[Atlantic (northeast)]

Class ARACHNIDA

Order ARANEAE

Family THERAPHOSIDAE

*Euathlus smithi*¹⁸⁵
Red-kneed Tarantula
Mexico

Class CRUSTACEA

Order ANOSTRACA

Family LINDERIELLIDAE

*Linderiella occidentalis*⁹⁵
California Linderiella
USA

Class INSECTA

Order COLEOPTERA

Family CARABIDAE

*Carabus intricatus*¹⁸⁵
Blue Ground Beetle
Albania, Belgium, Bulgaria, Czech
Republic, Denmark, France,
Germany, Greece, Hungary, Italy,
Netherlands, Poland, Romania,
Slovakia?, Sweden, Switzerland,
United Kingdom, Yugoslavia

Family CICINDELIDAE

*Cicindela marginipennis*⁷⁵
Cobblestone Tiger Beetle
USA

Family LUCANIDAE

*Colophon izardi*¹⁸
South Africa

Order HOMOPTERA

Family CICADIDAE

*Magicicada cassini*¹⁸⁵
Cassini Periodical Cicada
USA

*Magicicada septendecim*¹⁸⁵
Decim Periodical Cicada
Canada, USA

*Magicicada septendecula*¹⁸⁵
Decula Periodical Cicada
USA

Order HYMENOPTERA

Family FORMICIDAE

*Formica aquilonia*¹⁶³
European Red Wood Ant
Austria, Belarus, Bulgaria, Finland,
France, Germany, Italy, Latvia,
Norway, Russia, Sweden,
Switzerland, United Kingdom,
Yugoslavia

*Formica lugubris*¹⁶³
European Red Wood Ant
Austria, Bulgaria, Finland, France,
Germany, Hungary, Ireland, Italy,
Norway, Romania, Russia, Slovakia,
Spain, Sweden, Switzerland, United
Kingdom, Yugoslavia

*Formica polyctena*¹⁶³
European Red Wood Ant
Austria, Belgium, Bulgaria, Czech
Republic, Finland, France, Germany,
Hungary, Italy, Latvia, Lithuania,
Netherlands, Norway, Poland,
Romania, Russia, Slovakia, Spain,
Sweden, Switzerland, Ukraine,
Yugoslavia

*Formica pratensis/nigricans*¹⁶³
European Red Wood Ant
Austria, Belgium, Bulgaria, Czech
Republic, Estonia, Finland, France,
Georgia, Germany, Hungary, Italy,
Latvia, Lithuania, Luxembourg,
Moldova, Netherlands, Norway,
Poland, Romania, Russia, Slovakia,
Spain, Sweden, Switzerland, Turkey,
Ukraine, United Kingdom,
Yugoslavia

*Formica rufa*¹⁶³
European Red Wood Ant
Austria, Belarus, Belgium, Bulgaria,
Czech Republic, Denmark, Estonia,
Finland, France, Germany, Hungary,
Italy, Latvia, Lithuania,

Luxembourg, Moldova, Netherlands,
Norway, Poland, Romania, Russia,
Slovakia, Spain, Sweden,
Switzerland, Turkey, Ukraine,
United Kingdom, Yugoslavia

*Formica uralensis*¹⁶³
European Red Wood Ant
Belarus, Denmark, Estonia, Finland,
France, Germany, Kazakhstan,
Latvia, Lithuania, Norway, Poland,
Russia, Sweden, Switzerland,
Ukraine

Family SPHECIDAE

*Tachysphex pechumani*¹⁰²
Antennal-waving Wasp
USA

Order LEPIDOPTERA

Family HESPERIIDAE

*Panoquina errans*¹⁸⁵
Wandering Skipper
Mexico, USA

Family LYCAENIDAE

*Chrysoresis areas*⁷⁵
Drakensburg Copper
South Africa

*Iolais aphnaeoides*⁷⁵
South Africa

*Lepidochrysores bacchus*⁷⁵
Wineland Blue
South Africa

*Lycaena dispar*⁷⁵
Large Copper
Armenia?, Austria, Azerbaijan?,
Belarus?, Belgium, Bulgaria, Czech
Republic, Estonia, Finland?, France,
Georgia?, Germany, Greece,
Hungary, Italy, Kazakhstan?,
Latvia?, Lithuania, Luxembourg,
Moldova?, Mongolia?, Netherlands,
Poland, Romania, Russia, Slovakia,
Switzerland, Turkey?, Ukraine,
Yugoslavia

*Maculinea alcon*⁷⁵
Alcon Large Blue
Albania?, Austria, Belarus?,
Belgium, Bulgaria?, Czech
Republic?, Denmark, France,
Germany, Greece, Hungary, Italy,
Kazakhstan?, Lithuania, Moldova?,
Netherlands, Poland?, Romania,
Russia, Slovakia?, Spain, Sweden,
Switzerland, Turkey, Ukraine,
Yugoslavia

*Maculinea arion*⁷⁵

Large Blue
Albania?, Armenia?, Austria,
Azerbaijan?, Belarus?, Belgium,
Bulgaria?, China, Czech Republic,
Denmark, Estonia?, Finland, France,
Georgia?, Germany, Greece,
Hungary?, Iran?, Italy, Japan?,
Kazakhstan?, Latvia?, Lithuania?,
Moldova?, Poland, Romania?,
Russia, Slovakia, Spain, Sweden,
Switzerland, Turkey, Ukraine,
United Kingdom [re-int], Yugoslavia

*Maculinea arionides*¹⁸⁵

Greater Large Blue
China, Japan, Russia

*Maculinea nausithous*¹⁸⁵

Dusky Large Blue
Armenia?, Austria, Azerbaijan?,
Belarus?, Bulgaria, Czech Republic?,
France, Georgia, Germany, Hungary,
Kazakhstan?, Moldova?, Poland,
Romania?, Russia, Spain,
Switzerland, Ukraine, Yugoslavia

*Maculinea teleius*¹⁸⁵

Scarce Large Blue
Austria, Belgium, Czech Republic?,
France, Georgia?, Germany,
Hungary, Italy, Japan, Kazakhstan?,
Mongolia?, Poland, Russia, Spain?,
Switzerland, Ukraine, Yugoslavia

*Poecilmitis aureus*⁷⁵
South Africa

*Thestor brachycerus*⁷⁵
South Africa

Family NYMPHALIDAE

*Anetia briarea*¹⁰⁵
Lesser False Fritillary
Cuba, Dominican Republic, Haiti

*Anetia cubana*¹⁰⁵
Salvin's Anetia
Cuba

*Anetia jaegeri*¹⁰⁵
Jaeger's Anetia
Dominican Republic, Haiti, Jamaica

*Anetia pantheratus*¹⁰⁵
False Fritillary
Cuba, Dominican Republic, Haiti

*Danaus cleophile*¹⁰⁵
Jamaican Monarch
Dominican Republic, Haiti, Jamaica

*Euploea blossomae*¹⁰⁵
Schaus' Crow
Philippines

*Euploea gamelia*¹⁰⁵
Javan Crow
Indonesia



- Euploea martini*¹⁰⁵
Sumatran Crow
Indonesia
- Euploea swainson*¹⁰⁵
Swainson's Crow
Indonesia, Philippines
- Euploea toberi*¹⁰⁵
Tobler's Crow
Philippines
- Idea iasonia*¹⁰⁵
Ceylon Tree-nymph
Sri Lanka
- Idea malabarica*¹⁰⁵
Malabar Tree-Nymph
India
- Parantica albata*¹⁰⁵
Zinken's Tiger
Indonesia
- Parantica nilgiriensis*¹⁰⁵
Nilgiri Tiger
India
- Parantica pseudomelaneus*¹⁰⁵
Javan Tiger
Indonesia
- Parantica taprobana*¹⁰⁵
Ceylon Tiger
Sri Lanka
- Parantica tityoides*¹⁰⁵
Sumatran Chocolate Tiger
Indonesia
- Protoploea apatela*¹⁰⁵
Indonesia, Papua New Guinea
- Family PAPILIONIDAE
- Archon apollinaris*⁷⁵
Armenia, Bulgaria, Greece, Iran,
Iraq, Israel, Jordan, Lebanon,
Romania, Syria, Turkey,
Turkmenistan
- Barania brevicornis*⁷⁵
Short-horned Baronia
Mexico
- Graphium mendana*⁷⁵
Papua New Guinea, Solomon Islands
- Luehdorfia japonica*⁷⁵
Japanese Luehdorfia
Japan
- Ornithoptera chimaera*⁷⁵
Chimaera Birdwing
Indonesia, Papua New Guinea
- Papilio benguetanus*⁷⁵
Philippines
- Papilio grosesmithi*⁷⁵
Madagascar
- Papilio himeros*⁷⁵
Argentina, Brazil
- Papilio manlius*⁷⁵
Mauritius
- Papilio maraho*⁷⁵
Taiwan
- Papilio sjoestedti*⁷⁵
Kilimanjaro Swallowtail
Tanzania
- Parides burchellanus*⁷⁵
Brazil
- Teinopalpus imperialis*⁷⁵
Kaiser-I-Hind
Bhutan, China, India, Myanmar,
Nepal
- Troides andromache*⁷⁵
Indonesia?, Malaysia
- Family SATYRIDAE
- Coenonympha aedippus*¹⁸⁵
False Ringlet
Austria, Belgium, France, Germany,
Hungary, Italy, Japan, Kazakhstan?,
Liechtenstein, Mongolia?, Poland,
Russia, Slovakia, Spain, Switzerland,
Ukraine
- Erebia christi*¹⁸⁵
Raetzer's Ringlet
Italy, Switzerland
- Order MANTODEA
- Family MANTIDAE
- Apteromantis aptera*¹⁸⁵
Spain
- Order ODONATA
- Family AESHNIDAE
- Aeshna viridis*¹²³
Austria, Czech Republic?, Denmark,
Estonia?, Finland, Germany,
Hungary, Latvia?, Lithuania?,
Netherlands, Poland, Russia,
Slovakia?, Sweden, Yugoslavia?
- Family CALOPTERYGIDAE
- Calopteryx angustipennis*¹²³
USA
- Family COENAGRIONIDAE
- Megalagrion nigrohamatum*¹²³
Nigrohamatum Damselfly
USA (Hawaiian Is)
- Family CORDULIIDAE
- Antipodochlora braueri*¹²³
New Zealand
- Macromia margarita*¹²³
USA
- Somatochlora calverti*¹²³
Calverts' Emerald
USA
- Somatochlora incurvata*¹²³
Canada, USA
- Somatochlora ozarkensis*¹²³
USA
- Family GOMPHIDAE
- Gomphurus modestus*¹²³
Gulf Clubtail
USA
- Gomphus diminutus*¹²³
Diminutive Clubtail
USA
- Gomphus hodgesi*¹²³
Hodges' Clubtail
USA
- Hylogomphus geminatus*¹²³
Twin-striped Clubtail
USA
- Hylogomphus parvidens*¹²³
USA
- Ophiogomphus anomalus*¹²³
Canada, USA
- Ophiogomphus incurvatus*¹²³
USA
- Family SYNLESTIDAE
- Chlorolestes draconicus*¹²³
South Africa
- Ecchlorolestes nylephtha*¹²³
South Africa
- Class MEROSTOMATA
- Order XIPOSURA
- Family LIMULIDAE
- Limulus polyphemus*¹⁸⁵
Horseshoe Crab
Canada, Mexico, USA
- Class ONYCHOPHORA
- Order ONYCHOPHORA
- Family PERIPATIDAE
- Plicatoperipatus jamaicensis*¹²²
Jamaica
- Class HIRUDINEA
- Order ARHYNCHOBDELLAE
- Family HIRUDINIDAE
- Hirudo medicinalis*¹⁸⁵
Medicinal Leech
Albania, Armenia, Austria,
Azerbaijan?, Belarus?, Belgium,
Bulgaria, Czech Republic?,
Denmark, Estonia?, Finland, France,

Georgia, Germany, Greece, Hungary, Italy, Kazakhstan?, Latvia?, Lithuania, Luxembourg, Moldova, Netherlands, Norway, Poland, Portugal, Romania, Russia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom, Yugoslavia

Class OLIGOCHAETA

Order HAPLOTAXIDA

Family LUTODRILIDAE

*Lutodrilus multivesiculatus*¹⁸⁵
USA

Class BIVALVIA

Order UNIONOIDA

Family UNIONIDAE

*Actinonaias pectorosa*²⁴
USA

*Anodontoides radiatus*²⁴
USA

*Cyclonaias tuberculata*²⁴
USA

*Ellipsaria lineolata*²⁴
USA

*Elliptio ahenea*²⁴
USA

*Elliptio angustata*²⁴
USA

*Elliptio congaraea*²⁴
USA

*Elliptio dariensis*²⁴
USA

*Elliptio downiei*²⁴
USA

*Elliptio folliculata*²⁴
USA

*Elliptio hopetonensis*²⁴
USA

*Elliptio lanceolata*²⁴
Yellow Lance
USA

*Elliptio mcMichaeli*²⁴
USA

*Elliptio producta*²⁴
USA

*Elliptio shepardiana*²⁴
Altamaha Lance
USA

*Fusconaia askewi*²⁴
USA

*Fusconaia barnesiana*²⁴
USA

*Fusconaia lananensis*²⁴
USA

*Fusconaia ozarkensis*²⁴
USA

*Fusconaia subrotunda*²⁴
USA

*Fusconaia succissa*²⁴
USA

*Lampsilis bracteata*²⁴
USA

*Lampsilis cardium*²⁴
USA

*Lampsilis fullerhati*²⁴
Waccamaw Fatmucket
USA

*Lampsilis haddletoni*²⁴
USA

*Lampsilis ornata*²⁴
USA

*Lampsilis ovata*²⁴
USA

*Lampsilis perovalis*²⁴
Orangenacre Mucket
USA

*Lampsilis satura*²⁴
USA

*Lampsilis splendida*²⁴
USA

*Lasmigona holstonia*²⁴
Tennessee Heelsplitter
USA

*Lasmigona subviridis*²⁴
Green Floater
USA

*Leptodea leptodon*²⁴
Scaleshell
USA

*Leptodea ochracea*²⁴
USA

*Lexingtonia dolabelloides*²⁴
Slabside Pearlmussel
USA

*Ligumia nasuta*²⁴
USA

*Ligumia recta*²⁴
USA

*Medionidus conradicus*²⁴
USA

*Obovaria jacksoniana*²⁴
USA

*Obovaria rotulata*²⁴
Round Ebonyshell
USA

*Obovaria subrotunda*²⁴
USA

*Obovaria unicolor*²⁴
USA

*Pleurobasus cyphus*²⁴
USA

*Pleurobema beadleianum*²⁴
USA

*Pleurobema cordatum*²⁵
USA
[R. Green, R. Ohio]

*Pleurobema decisum*²⁴
Southern Clubshell
USA

*Pleurobema pyriforme*²⁴
Oval Pigtoe
USA

*Pleurobema riddellii*²⁴
USA

*Pleurobema rubrum*²⁴
Pyramid Pigtoe
USA
[R. Green]

*Pseudanodonta complanata*¹¹⁵
Austria, Belarus, Belgium, Bulgaria, Czech Republic, Estonia, Finland, Germany, Hungary, Kazakhstan, Latvia, Lithuania, Moldova, Norway, Poland, Romania, Russia, Slovakia, Sweden, Switzerland, Ukraine, United Kingdom

*Ptychobranthus occidentalis*²⁴
USA

*Ptychobranthus subtentum*²⁴
USA

*Pyganodon gibbosa*²⁴
USA

*Quadrula asperata*²⁴
USA

*Quadrula houstonensis*²⁴
USA

*Quadrula refulgens*²⁴
USA

*Quadrula rumphiana*²⁴
USA

*Quincuncina infucata*²⁴
USA

*Strophitus connasaugaensis*²⁴
USA

*Strophitus subvexus*²⁴
USA

*Unio crassus*¹¹⁵
Austria, Belarus, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Kazakhstan, Latvia, Liechtenstein,



Lithuania, Luxembourg, Moldova,
Netherlands, Poland, Romania,
Russia, Slovakia, Sweden,
Switzerland, Ukraine

Order VENEROIDA

Family SPHAERIDAE

*Pisidium fultoni*¹¹⁵
Australia

Class GASTROPODA

Order ARCHAEOGASTROPODA

Family NERITIDAE

*Neritilia manoeli*³³
Angola, Cameroon, São Tomé &
Príncipe

Order BASOMMATOPHORA

Family ANCYLIDAE

*Ancylus regularis*³³
Ethiopia
*Simulator consetti*¹³⁸
Australia

Family PLANORBIDAE

*Biomphalaria angulosa*³³
Malawi, Tanzania, Zambia
*Biomphalaria salinarum*³³
Angola, Namibia?
*Bulinus barthi*³³
Kenya, Tanzania
*Bulinus browni*³³
Kenya

*Bulinus canescens*³³
Angola, Zaire, Zambia

*Bulinus cernicus*³³
Mauritius

*Bulinus crystallinus*³³
Angola, Gabon

*Bulinus hexaploidus*³³
Ethiopia

*Bulinus octaploidus*³³
Ethiopia

Order MESOGASTROPODA

Family AMPULLARIDAE

*Lanistes ciliatus*³³
Kenya

*Lanistes elliptus*³³
Malawi, Mozambique, Zaire

*Pila occidentalis*³³
Angola, Namibia, Zambia

Family HYDROBIIDAE

*Bythinella carinulata*²⁶
France

*Bythinella pupoides*²⁶
France, Switzerland

*Bythinella vesontiana*²⁶
France

*Bythiospeum elseri*⁷⁹
Austria

*Falniowskia neglectissimum*¹⁶⁷
Poland, Slovakia

*Fluviopupa gracilis*¹³⁸
Australia

*Fluviopupa ramsayi*¹³⁸
Australia

*Fonscochlea zeidlereri*¹³⁸
Australia

*Hemistoma gemma*¹³⁸
Australia

*Moitessieria lineolata*²⁶
France

*Moitessieria rayi*²⁶
France

*Paladilhia hungarica*¹¹⁵
Hungary

*Potamopyrgus oscitanus*¹³⁸
Australia

*Trochidrobia punicea*¹³⁸
Australia

*Victodrobia victoriensis*¹³⁸
Australia

Family RANELLIDAE

*Cymatium parthenopaeum*¹¹⁵
Italy

Family THIARIDAE

*Cleopatra grandidieri*³³
Madagascar

*Melanatria fluminea*³³
Madagascar

*Melanatria madagascarensis*³³
Madagascar

Family VIVIPARIDAE

*Viviparus acerosus*¹¹⁵
Austria, Bulgaria, Germany,
Hungary, Romania, Slovakia

Order NEOGASTROPODA

Family BUCCINIDAE

*Ranella olearia*¹¹⁵
Italy

*Ranella parthenopaeum*¹¹⁵
Italy

Family MURICIDAE

*Latiaxis babelis*¹²⁸
Malta

Order STYLOMMATOPHORA

Family AGRIOLIMACIDAE

*Deroceras vascoana*¹¹⁵
France, Spain

Family CAMAENIDAE

*Amphidromus cognatus*⁹⁹
Australia

*Amplirhagada montalivetensis*¹⁶⁰
Australia

*Austrochloritis ascensa*¹⁶¹
Australia

*Austrochloritis pusilla*¹⁶⁵
Australia

*Baccalena squamulosa*⁹⁸
Australia

*Baudinella baudinensis*¹⁶⁰
Australia

*Cooperconcha centralis*¹⁶¹
Australia

*Craterodiscus pricei*¹⁶⁵
Australia

*Cristilabrum spectaculum*¹⁶⁰
Australia

*Cupedora broughami*¹⁶¹
Australia

*Cupedora luteofusca*¹⁶¹
Australia

*Cupedora marcidum*¹⁶¹
Australia

*Cupedora sutilosa*¹⁶¹
Australia

*Cupedora tomsetti*¹⁶¹
Australia

*Glyptorhagada janaslini*¹⁶¹
Australia

*Granulomelon grandituberculatum*⁹⁸
Australia

*Jacksonena delicata*¹⁶⁵
Australia

*Jacksonena rudis*¹⁶⁵
Australia

*Lacustrelix minor*¹⁶¹
Australia

*Lacustrelix yerelinana*¹⁶¹
Australia

*Meliobba shafferyi*¹⁶⁵
Australia

*Meridolum marshalli*¹⁶¹
Australia

*Mesodontrachia desmonda*⁹⁸
Australia

*Mesodontrachia fitzroyana*⁹⁸
Australia

*Ordtrachia australis*⁹⁸
Australia

*Ordtrachia septentrionalis*⁹⁸
Australia

*Papuexul bidwilli*¹⁶⁵
Australia

*Pleuroxia arcigerens*⁹⁸
Australia

*Pleuroxia italowiana*¹⁴⁰
Australia

*Posorites turneri*¹⁶⁵
Australia

*Semotrachia sublevata*⁹⁹
Australia

*Semotrachia winneckeana*⁹⁸
Australia

*Setobaudinia victoriana*⁹⁶
Australia

*Sphaerospira macleayi*¹⁶⁵
Australia

*Sphaerospira rockhamptonensis*¹⁶⁵
Australia

*Sphaerospira whartoni*¹⁶⁵
Australia

*Torresitrachia funium*⁹⁹
Australia

Family CHAROPIDAE

*Allocharopa okeana*¹¹⁵
Australia

*Allocharopa tarravillensis*¹¹⁵
Australia

*Pillomena aemula*⁹⁹
Australia

*Roblinella agnewi*¹¹⁵
Australia

*Setomedea nudicostata*¹⁶⁵
Australia

Family CHONDRINIDAE

*Solatopupa psarolena*²⁶
France, Italy

Family CLAUSILIIDAE

*Charpentieria diodon*¹¹⁵
Italy, Switzerland

*Muticaria macrostoma*¹⁵²
Malta

Family COCHLICOPIDAE

*Cryptazeca vasconica*¹¹⁵
Spain

Family DISCIDAE

*Discus scutula*⁶
Spain (Canary Is)

Family GEOMITRIDAE

*Actinella actinophora*¹¹⁵
Portugal (Madeira)

*Actinella carinofausta*¹¹⁵
Portugal (Madeira)

*Actinella fausta*¹¹⁵
Portugal (Madeira)

*Actinella giramica*¹¹⁵
Portugal (Madeira)

*Actinella obserata*¹¹⁵
Portugal (Madeira)

*Actinella robusta*¹¹⁵
Portugal (Madeira)

*Spirorbula obtecta*¹¹⁵
Portugal (Madeira)

*Spirorbula squalida*¹¹⁵
Portugal (Madeira)

Family HELICIDAE

*Allognathus graellsianus*¹¹⁵
Spain (Balearic Is)

*Chilostoma cingulellum*¹¹⁵
Poland, Slovakia

*Chilostoma rossmaessleri*¹¹⁵
Poland, Slovakia

*Codringtonia acacriana*¹¹⁸
Greece

*Codringtonia codringtonii*¹¹⁵
Rock Snail
Greece

*Cylindrus obtusus*¹¹⁵
Austria

*Helix godetiana*¹¹⁸
Greece

*Hemicycla berkeleyi*⁶
Spain (Canary Is)

*Hemicycla mascaensis*⁶
Spain (Canary Is)

*Iberus qualtieranus*¹¹⁵
Spain

*Pseudocampylaea podocampylaea*¹¹⁵
Portugal (Madeira)

Family

HELICODISCIDAE

*Helicodiscus diadema*¹¹⁵
USA

*Helicodiscus hexodon*¹¹⁵
USA

Family

HELMINTHOGLYPTIDAE

*Eremarionta morongoana*¹⁴⁹
Morongo Desert Snail
USA

*Helminthoglypta mohaveana*¹⁴⁹
Victorville Shoulderband
USA

*Sonorella allynsmithi*¹¹⁵
USA

*Sonorella christensenii*¹¹⁵
USA

*Sonorella eremita*¹¹⁵
Sax Xavier Talus Snail
USA

*Sonorella grahamensis*¹¹⁵
USA

*Sonorella macrophallus*¹¹⁵
USA

*Sonorella metcalfi*¹⁴⁹
Franklin Mountain Talus Snail
USA

*Sonorella todseni*¹¹⁵
USA

Family HYGROMIDAE

*Atenia quadrani*¹¹⁵
Spain

*Cryptosaccus asturiensis*¹¹⁵
Spain

*Helicella gasulli*¹¹⁵
Spain

*Helicella orzai*¹¹⁵
Spain

*Helicella striatitula*¹¹⁵
Spain

*Helicella zaratei*¹¹⁵
Spain

*Helicella zujarensis*¹¹⁵
Spain

*Helicopsis conopsis*¹⁵⁴
Morocco

*Montserratina bofilliana*¹¹⁵
Spain

*Oestophora ortizi*¹¹⁵
Spain

*Plentusia vendia*¹¹⁵
Spain

*Pyrenaeania cotiellae*¹¹⁵
Spain



- Pyrenaearia navasi* ¹¹⁵
Spain
- Pyrenaearia oberthueri* ¹¹⁵
Spain
- Pyrenaearia organiaca* ¹¹⁵
Spain
- Pyrenaearia parva* ¹¹⁵
Spain
- Pyrenaearia poncebensis* ¹¹⁵
Spain
- Pyrenaearia velascoi* ¹¹⁵
Spain
- Suboestophora altamirai* ¹¹⁵
Spain
- Suboestophora hispanica* ¹¹⁵
Spain
- Trochoidea betulonensis* ¹¹⁵
Spain
- Trochoidea claudinae* ¹¹⁵
Spain (Balearic Is)
- Trochoidea jimenezis* ¹¹⁵
Spain
- Trochoidea montserratensis* ¹¹⁵
Spain
- Xerosecta adolfi* ¹¹⁵
Spain
- Family LIMACIDAE
- Malacolimax wiktori* ⁶
Spain (Canary Is)
- Family ORCULIDAE
- Orcula fuchsi* ¹¹⁵
Austria
- Family PAPILLODERMIDAE
- Papilloderma altonagai* ¹¹⁵
Spain
- Family POLYGYRIDAE
- Ashmunella pasonis* ¹⁴⁹
Franklin Mountain Woodland Snail
USA
- Mesodon clenchi* ¹¹⁵
Clench's Middle-toothed Land Snail
USA
- Polygyra hippocrepis* ¹¹⁵
USA
- Polygyra peregrina* ¹¹⁵
Strange Many-whorled Land Snail
USA
- Family PUPILLIDAE
- Gyliotrachela catherina* ⁹⁸
Australia
- Pupilla ficulnea* ⁹⁸
Australia
- Sterkia clementina* ¹⁴⁹
Insular Birddrop
USA
- Family RHYTIDIDAE
- Paryphanta busbyi*
Kauri Snail
VU ¹⁵⁶ B2e
New Zealand
- Powelliphanta marchantii* ¹¹⁵
New Zealand
- Victaphanta atramentaria* ¹¹⁵
Australia
- Family STREPTAXIDAE
- Gonospira bourguignati*
VU ⁷⁸ B2ab
Réunion
- Family SUBULINIDAE
- Beckianum sinistrum* ¹³³
Costa Rica, Nicaragua
- Leptinaria strebeliana* ¹³³
Nicaragua
- Family SUCCINEIDAE
- Catinella arenaria* ¹⁶⁷
Belgium, France, Germany, Ireland,
Netherlands, Norway, Poland,
Slovakia, Sweden, Switzerland,
United Kingdom
- Succinea sanctaehelenae* ¹¹⁵
St Helena
- Family VALLONIIDAE
- Vallonia declivis* ¹¹⁵
Austria, France, Germany, Poland,
Slovakia, Switzerland
- Family VERTIGINIDAE
- Vertigo alabamensis* ¹¹⁵
USA
- Vertigo arthuri* ¹¹⁵
USA
- Vertigo hebardei* ¹¹⁵
USA
- Vertigo hubrichti* ¹¹⁵
USA
- Vertigo occulta* ¹¹⁵
USA
- Vertigo ovata* ¹¹⁵
USA
- Family VITRINIDAE
- Insulivitrina machadoi* ⁶
Spain (Canary Is)
- Insulivitrina mascaensis* ⁶
Spain (Canary Is)
- Insulivitrina tuberculata* ⁶
Spain (Canary Is)
- Family ZONITIDAE
- Oxychilus basajauna* ¹¹⁵
Spain
- Paravitrea clappi* ¹¹⁵
USA
- Trochomorpha melvillensis* ⁹⁸
Australia
- Zonites anaphiensis* ¹¹⁸
Greece
- Class ENOPLA
- Order HOPLONEMERTEA
- Family PROSORHOCHMIDAE
- Argonemertes hillii* ¹⁸⁵
Australia

Extinct and Extinct in the Wild

Class MAMMALIA

Order DASYUROMORPHIA

Family THYLACINIDAE

Thylacinus cynocephalus

Thylacine

EX¹⁸⁵

Australia

Order PERAMELEMORPHIA

Family PERAMELIDAE

Chaeropus ecaudatus

Pig-footed Bandicoot

EX¹³

Australia

Macrotis leucura

Lesser Bilby

EX¹³

Australia

Perameles eremiana

Desert Bandicoot

EX¹³

Australia

Order DIPROTODONTIA

Family POTOROIDAE

Caloprymnus campestris

Desert Rat-kangaroo

EX¹³

Australia

Potorous platypus

Broad-faced Potoroo

EX¹³

Australia

Family MACROPODIDAE

Lagorchestes asomatus

Central Hare-wallaby

EX¹³

Australia

Lagorchestes leporides

Eastern Hare-wallaby

EX¹³

Australia

Macropus greyi

Toolache Wallaby

EX¹³

Australia

Onychogalea lunata

Crescent Nailtail Wallaby

EX¹³

Australia

Order INSECTIVORA

Family SOLENODONTIDAE

Solenodon marcanoi

EX¹⁵

Dominican Republic

Family NESOPHONTIDAE

Nesophontes hypomicrus

Atalaye Nesophontes

EX¹⁸⁵

Dominican Republic, Haiti

Nesophontes micrus

Western Cuban Nesophontes

EX¹⁸⁵

Cuba

Nesophontes paramicrus

Saint Michel Nesophontes

EX¹⁸⁵

Dominican Republic, Haiti

Nesophontes sp.

EX¹⁸⁵

Cayman Islands

Nesophontes zamicrus

Haitian Nesophontes

EX¹⁸⁵

Dominican Republic, Haiti

Order CHIROPTERA

Family PTEROPODIDAE

Acerodon lucifer

Panany Giant Fruit Bat

EX⁴²

Philippines

Dobsonia chapmani

Philippine Bare-backed Fruit Bat

EX⁴²

Philippines

Nyctimene sanctacrucis

EX⁴²

Solomon Islands

Pteropus brunneus

EX⁴²

Australia

Pteropus loochoensis

Okinawa Flying-fox

EX¹⁸⁵

Japan (Nansei-shoto)

Pteropus pilosus

Palau Fruit Bat

EX⁴²

Palau

Pteropus subniger

EX⁴²

Mauritius, Réunion

Pteropus tokudae

Guam Fruit Bat

EX⁴²

Guam

Family PHYLLOSTOMIDAE

Phyllonycteris major

Puerto Rican Flower Bat

EX¹⁸⁵

Puerto Rico

Family VESPERTILIONIDAE

Myotis milleri

EX⁴²

Mexico

Myotis planiceps

EX⁴²

Mexico

Nyctophilus howensis

EX⁴²

Australia, New Caledonia

Family MYSTACINIDAE

Mystacina robusta

EX⁴²

New Zealand, Solomon Islands

Order CARNIVORA

Family CANIDAE

Dusicyon australis

Falklands Wolf

EX³⁶

Falkland Islands

Family MUSTELIDAE

Mustela nigripes

Black-footed Ferret

EW¹¹⁷

USA

Family PHOCIDAE

- Monachus tropicalis*
West Indian Monk Seal
EX¹⁵³
Bahamas, Colombia (Isla de Providencia), Cuba, Guadeloupe, Haiti, Honduras, Jamaica, Mexico, USA

Family PROCYONIDAE

- Procyon glomeralleni*
Barbados Raccoon
EX¹⁸⁵
Barbados

Order SIRENIA

Family DUGONGIDAE

- Hydrodamalis gigas*
Steller's Sea Cow
EX¹⁸⁵
Russia, USA

Order PERISSODACTYLA

Family EQUIDAE

- Equus przewalskii*
Przewalski's Wild Horse
EW⁶⁴
China, Mongolia

- Equus quagga*
Quagga
EX¹⁸⁵
South Africa

Order ARTIODACTYLA

Family SUIDAE

- Sus bucculentus*
Vietnam Warty Pig
EX¹⁸⁵
Viet Nam

Family CERVIDAE

- Cervus schomburgki*
Schomburgk's Deer
EX¹⁸⁵
Thailand

Family BOVIDAE

- Gazella arabica*
Arabian Gazelle
EX⁹
Saudi Arabia

- Gazella rufina*
Red Gazelle
EX⁹
Algeria

- Gazella saudiya*
Saudi Gazelle
EW⁹
Iraq, Jordan, Kuwait, Saudi Arabia, Syria, Yemen

- Hippotragus leucophaeus*
Bluebuck
EX⁹
South Africa

Order RODENTIA

Family MURIDAE

- Canariomys tamarani*
EX¹⁵
Spain (Canary Is)

- Conilurus albipes*
EX¹⁵
Australia

- Coryphomys buhleri*
EX¹⁵
Indonesia

- Leporillus apicalis*
EX¹⁵
Australia

- Megalomys desmarestii*
EX¹⁵
Martinique

- Megalomys luciae*
EX¹⁵
St Lucia

- Microtus bavaricus*
Bavarian Vole
EX⁸
Germany

- Nesoryzomys darwini*
EX¹⁵
Ecuador (Galápagos Is)

- Nesoryzomys fernandinae*
EX¹⁵
Ecuador (Galápagos Is)

- Nesoryzomys swarthi*
EX¹⁵
Ecuador (Galápagos Is)

- Notomys amplius*
EX¹⁵
Australia

- Notomys longicaudatus*
EX¹⁵
Australia

- Notomys macrotis*
EX¹⁵
Australia

- Notomys mordax*
EX¹⁵
Australia

- Oryzomys nelsoni*
EX¹⁵
Mexico

- Papagomys theodorverhoeveni*
EX¹⁵
Indonesia

- Paulamys naso*
EX¹⁵
Indonesia

- Peromyscus pambertoni*
EX¹⁵
Mexico

- Pseudomys gouldii*
EX¹⁵
Australia

- Rattus macleari*
EX¹⁵
Australia

- Rattus nativitatis*
EX¹⁵
Christmas Island

- Speleomys florensis*
EX¹⁵
Indonesia

Family ERETHIZONTIDAE

- Sphiggurus pallidus*
EX¹⁵
"West Indies"

Family ECHIMYIDAE

- Boromys offella*
EX¹⁵
Cuba

- Boromys torrei*
EX¹⁵
Cuba

- Brotomys contractus*
EX¹⁵
Haiti

- Brotomys voratus*
EX¹⁵
Dominican Republic, Haiti

- Heteropsomys antillensis*
EX¹⁵
Puerto Rico

- Heteropsomys insulans*
EX¹⁵
Puerto Rico

- Puertoricomys corozalus*
EX¹⁵
Puerto Rico

Family CAPROMYIDAE

- Capromys sp.*
EX¹⁸⁵
Cayman Islands

- Geocapromys columbianus*
EX¹⁸⁵
Cuba

- Geocapromys sp.*
EX¹⁸⁵
Cayman Islands

*Geocopromys thoracatus*EX¹⁵
Honduras*Hexolobodon phenax*EX¹⁵
Dominican Republic, Haiti*Isolobodon montanus*EX¹⁵
Dominican Republic, Haiti*Plagiodontia araeum*EX¹⁵
Dominican Republic*Plagiodontia ipnaeum*EX¹⁵
Dominican Republic, Haiti*Plagiodontia velozii*EX¹⁸⁵
Dominican Republic, Haiti*Rhizoplagiodontia lemkei*EX¹⁵
Haiti

Family HEPTAXODONTIDAE

*Amblyrhiza inundata*EX¹⁵
Anguilla*Clidomys osborni*EX¹⁵
Jamaica*Clidomys parvus*EX¹⁵
Jamaica*Elasmodontomys obliquus*EX¹⁵
Puerto Rico*Quemisia gravis*EX¹⁵
Dominican Republic, Haiti

Order LAGOMORPHA

Family OCHOTONIDAE

*Prolagus sardus*Sardinian Pika
EX¹⁰⁴
France, Italy

Class AVES

Order STRUTHIONIFORMES

Family AEPYORNITHIDAE

*Aepyornis maximus*Great Elephantbird
EX¹⁸⁵
Madagascar

Family ANOMALOPTERYGIDAE

*Didornis torosus*Brawny Great Moa
EX¹⁸⁵
New Zealand*Eurapteryx gravis*Burly Lesser Moa
EX¹⁸⁵
New Zealand*Megalapteryx didinus*South Island Tokoweka
EX¹⁸⁵
New Zealand

Order CASUARIIFORMES

Family DROMAIDAE

*Dromaius ater*King Island Emu
EX¹⁸⁵
Australia*Dromaius baudinianus*Kangaroo Island Emu
EX¹⁸⁵
Australia

Order PODICIPEDIFORMES

Family PODICIPEDIDAE

*Podiceps andinus*Colombian Grebe
EX²¹
Colombia*Podilymbus gigas*Atitlan Grebe
EX¹⁸⁵
Guatemala

Order PROCELLARIIFORMES

Family PROCELLARIIDAE

*Pterodroma sp.*EX¹⁸⁵
Mauritius (Rodrigues)

Order PELECANIFORMES

Family PHALACROCORACIDAE

*Phalacrocorax perspicillatus*Pallas's Cormorant
EX¹⁸⁵
Russia

Order CICONIIFORMES

Family ARDEIDAE

*Ixobrychus novaehollandiae*Black-backed Bittern
EX¹⁸⁵
New Zealand*Nycticorax mauritianus*Mauritius Night-heron
EX¹⁸⁵
Mauritius*Nycticorax megacephalus*Rodrigues Night-heron
EX¹⁸⁵
Mauritius (Rodrigues)*Nycticorax sp.*EX¹⁸⁵
Réunion

Family CICONIIDAE

*Ciconia sp.*EX¹⁸⁵
Réunion

Family THRESKIORNITHIDAE

*Borbonibis latipes*Réunion Flightless Ibis
EX¹⁸⁵
Réunion

Order ANSERIFORMES

Family ANATIDAE

*Alopochen mauritianus*Mauritian Shelduck
EX¹⁸⁵
Mauritius*Anas marecula*EX¹⁸⁵
French Southern and Antarctic
Territories (Amsterdam Id)*Anas theodori*Mauritian Duck
EX¹⁸⁵
Mauritius, Réunion*Camptorhynchus labradorius*Labrador Duck
EX¹⁸⁵
Canada, USA*Cygnus sumnerensis*Chatham Island Swan
EX¹⁸⁵
New Zealand (Chatham Is)*Mergus australis*Auckland Islands Merganser
EX¹⁸⁵
New Zealand

Order FALCONIFORMES

Family FALCONIDAE

*Falco sp.*EX¹⁸⁵
Réunion*Polyborus lutosus*Guadalupe Caracara
EX¹⁸⁵
Mexico

Order GALLIFORMES

Family CRACIDAE

Mitu mitu

Alagoas Curassow

EW²¹

Brazil

Family PHASIANDAE

Coturnix novaezelandiae

New Zealand Quail

EX¹⁸⁵

New Zealand

Order GRUIFORMES

Family RALLIDAE

Aphanapteryx bonasia

Red Rail

EX¹⁸⁵

Mauritius

Aphanapteryx leguati

Rodrigues Rail

EX¹⁸⁵

Mauritius (Rodrigues)

Atlantisia elpenor

Ascension Flightless Crake

EX¹⁸⁵

St Helena (Ascension)

Fulica newtoni

Mascarene Coot

EX¹⁸⁵

Mauritius, Réunion

Gallirallus dieffenbachii

Dieffenbach's Rail

EX¹⁸⁵

New Zealand (Chatham Is)

Gallirallus modestus

Chatham Islands Rail

EX¹⁸⁵

New Zealand (Chatham Is)

Gallirallus owstoni

Guam Rail

EW²¹

Guam

Gallirallus pacificus

Tahiti Rail

EX¹⁸⁵

French Polynesia

Gallirallus wakensis

Wake Island Rail

EX¹⁸⁵

US Minor Pacific Islands (Wake Id)

Nesoclopeus poecilopterus

Bar-winged Rail

EX²¹

Fiji

Porphyrio albus

Lord Howe Swamphen

EX¹⁸⁵

Australia

Porzana monasa

Kosrae Crake

EX¹⁸⁵

Federated States of Micronesia

Porzana palmeri

Laysan Crake

EX¹⁸⁵

USA (Hawaiian Is)

Porzana sandwichensis

Hawaiian Crake

EX¹⁸⁵

USA (Hawaiian Is)

Order CHARADRIIFORMES

Family CHARADRIIDAE

Haematopus meadewaldoi

Canary Islands Oystercatcher

EX¹⁸⁵

Spain (Canary Is)

Vanellus macropterus

Javanese Lapwing

EX²¹

Indonesia

Family SCOLOPACIDAE

Prosobonia leucoptera

Tahitian Sandpiper

EX¹⁸⁵

French Polynesia

Family LARIDAE

Alca impennis

Great Auk

EX¹⁸⁵

Canada, Denmark (Faeroe Is),

Greenland, Iceland, Russia, United

Kingdom

Order COLUMBIFORMES

Family RAPHIDAE

Pezophaps solitaria

Rodrigues Solitaire

EX¹⁸⁵

Mauritius (Rodrigues)

Raphus cucullatus

Dodo

EX¹⁸⁵

Mauritius

Raphus solitarius

Réunion Solitaire

EX¹⁸⁵

Réunion

Family COLUMBIDAE

Alectroenas nitidissima

Mauritius Blue Pigeon

EX¹⁸⁵

Mauritius

Columba joiyi

Ryukyu Pigeon

EX¹⁸⁵

Japan (Nansei-shoto)

Columba versicolor

Bonin Wood Pigeon

EX¹⁸⁵

Japan (Ogasawara-gunto)

Ectopistes migratorius

Passenger Pigeon

EX¹⁸⁵

USA

Microgoura meeki

Choiseul Pigeon

EX¹⁸⁵

Solomon Islands

Ptilinopus mercierii

Red-moustached Fruit-Dove

EX¹⁸⁵

French Polynesia

Zenaida graysoni

Socorro Dove

EW²¹

Mexico (Revillagigedos Is)

'*Alectroenas*' *rodericana*

Rodrigues Pigeon

EX¹⁸⁵

Mauritius (Rodrigues)

Order PSITTACIFORMES

Family PSITTACIDAE

'*Lophopsittacus*' *bensoni*

Mauritius Grey Parrot

EX¹⁸⁵

Mauritius

Anodorhynchus glaucus

Glaucous Macaw

EX²¹

Argentina, Brazil, Paraguay

Ara tricolor

Cuban Red Macaw

EX¹⁸⁵

Cuba

Conuropsis carolinensis

Carolina Parakeet

EX¹⁸⁵

USA

Cyanoramphus ulietanus

Raiatea Parakeet

EX¹⁸⁵

French Polynesia



Cyanoramphus zealandicus
Black-fronted Parakeet

EX ¹⁸⁵
French Polynesia

Lophopsittacus mauritianus

Mauritius Parrot
EX ¹⁸⁵
Mauritius

Mascarinus mascarinus

Mascarene Parrot
EX ¹⁸⁵
Réunion

Nestor productus

Norfolk Island Kaka
EX ¹⁸⁵
Norfolk Island

Psephotus pulcherrimus

Paradise Parrot
EX ²¹
Australia

Psittacula exsul

Newton's Parakeet
EX ¹⁸⁵
Mauritius (Rodrigues)

Psittacula wardi

Seychelles Parrot
EX ¹⁸⁵
Seychelles

Strigops habroptilus

Kakapo
EW ²¹
New Zealand

'Necropsittacus' rodericanus

Rodrigues Parrot
EX ¹⁸⁵
Mauritius (Rodrigues)

Order CUCULIFORMES

Family CUCULIDAE

Coua delalandei

Snail-eating Coua
EX ¹⁸⁵
Madagascar

Order STRIGIFORMES

Family STRIGIDAE

Sauziera sp.

Mauritian Owl
EX ¹⁸⁵
Mauritius

Sceloglaux albifacies

Laughing Owl
EX ¹⁸⁵
New Zealand

'Athene' murivora

Rodrigues Little Owl
EX ¹⁸⁵
Mauritius (Rodrigues)

'Scops' commersoni

Mauritian Owl
EX ¹⁸⁵
Mauritius

Order APODIFORMES

Family TROCHILIDAE

Chlorostilbon bracei

Grace's Emerald
EX ¹⁸⁵
Bahamas

Order PICIFORMES

Family PICIDAE

Campephilus principalis

Ivory-billed Woodpecker
EX ²¹
Cuba, USA

Order PASSERIFORMES

Family XENICIDAE

Xenicus longipes

Bush Wren
EX ²¹
New Zealand

Xenicus lyalli

Stephens Island Wren
EX ¹⁸⁵
New Zealand

Family PYCNONOTIDAE

Hypsipetes sp.

EX ¹⁸⁵
Mauritius (Rodrigues)

Family MUSCICAPIDAE

Gerygone insularis

Lord Howe Gerygone
EX ¹⁸⁵
Australia

Myiagra freycineti

Guam Flycatcher
EX ²¹
Guam

Nesillas aldabrana

Aldabra Bush-warbler
EX ²¹
Seychelles

Turdus ravidus

Grand Cayman Thrush
EX ¹⁸⁵
Cayman Islands

Turnagra copensis

Piopio
EX ¹⁸⁵
New Zealand

Zoothera terrestris

Bonin Thrush

EX ¹⁸⁵

Japan (Ogasawara-gunto)

Family ZOSTEROPIDAE

Zosterops strenuus

Robust White-eye
EX ¹⁸⁵
Australia

Family MELIPHAGIDAE

Chaetoptila angustipluma

Kioea
EX ¹⁸⁵
USA (Hawaiian Is)

Moho apicalis

Oahu Oo
EX ¹⁸⁵
USA (Hawaiian Is)

Moho nobilis

Hawaii Oo
EX ¹⁸⁵
USA (Hawaiian Is)

Family DREPANIDIDAE

Chloridops kona

Kona Grosbeak
EX ¹⁸⁵
USA (Hawaiian Is)

Ciridops anna

Ula-ai-hawane
EX ¹⁸⁵
USA (Hawaiian Is)

Drepanis funerea

Black Mamo
EX ¹⁸⁵
USA (Hawaiian Is)

Drepanis pacifica

Hawaii Mamo
EX ¹⁸⁵
USA (Hawaiian Is)

Hemignathus obscurus

Akialoa
EX ²¹
USA (Hawaiian Is)

Paroreomyza flammea

Molokai Creeper
EX ¹⁸⁵
USA (Hawaiian Is)

Rhodacanthis flaviceps

Lesser Koa-finch
EX ¹⁸⁵
USA (Hawaiian Is)

Rhodacanthis palmeri

Greater Koa-finch
EX ¹⁸⁵
USA (Hawaiian Is)

Viridonia sagittirostris

Greater Amakihi
EX ¹⁸⁵
USA (Hawaiian Is)

Family ICTERIDAE

Quiscalus palustris
Slender-billed Grackle
EX¹⁸⁵
Mexico

Family FRINGILLIDAE

Chaunoproctus ferreorostris
Bonin Grosbeak
EX¹⁸⁵
Japan (Ogasawara-gunto)

Spiza townsendi
Townsend's Finch
EX¹⁸⁵
USA

Family PLOCEIDAE

Foudia sp.
Réunion Fody
EX¹⁸⁵
Réunion

Family STURNIDAE

Aplonis corvina
Kosrae Mountain Starling
EX¹⁸⁵
Federated States of Micronesia

Aplonis fusca
Tasman Starling
EX¹⁸⁵
Australia, Norfolk Island

Aplonis mavornata
Mysterious Starling
EX¹⁸⁵
Unknown

Fregilupus varius
Réunion Starling
EX¹⁸⁵
Réunion

Necrospar rodericanus
Rodrigues Starling
EX¹⁸⁵
Mauritius (Rodrigues)

Family CALLAEIDAE

Heteralocha acutirostris
Huia
EX¹⁸⁵
New Zealand

Class REPTILIA

Order SAURIA

Family ANGUIDAE

Celestus occiduus
Jamaica Giant Galliwasp
EX¹⁸⁵
Jamaica

Family GEKKONIDAE

Hoplodactylus delcourti
EX¹⁸⁵
New Zealand

Nactus coindemerensis
EW¹⁰⁶
Mauritius

Phelsuma gigas
Rodrigues Day Gecko
EX¹⁸⁵
Mauritius (Rodrigues)

Family IGUANIDAE

Liocephalus eremitus
EX¹⁸⁵
USA

Liocephalus herminieri
EX¹⁸⁵
Martinique

Family SCINCIDAE

Leiolopisma mauritiana
EX¹⁸⁵
Mauritius

Macroscincus coctei
Cape Verde Giant Skink
EX¹⁸⁵
Cape Verde

Tachygia microlepis
Tonga Ground Skink
EX¹⁸⁵
Tonga

Tetradactylus eastwoodae
Eastwood's Longtailed Seps
EX¹⁸⁵
South Africa

Family TEIIDAE

Ameiva cineracea
EX¹⁸⁵
Guadeloupe

Ameiva major
Martinique Giant Ameiva
EX¹⁸⁵
Martinique

Order SERPENTES

Family BOIDAE

Bolyeria multocarinata
Round Island Boa
EX¹⁰⁶
Mauritius

Family COLUBRIDAE

Alsophis sancticrucis
Saint Croix Racer
EX¹⁸⁵
Virgin Islands (US)

Family TYPHLOPIDAE

Typhlops cariei
EX¹⁸⁵
Mauritius

Order TESTUDINES

Family TESTUDINIDAE

Cylindraspis borbonica
EX¹⁸⁵
Réunion

Cylindraspis indica
EX¹⁸⁵
Réunion

Cylindraspis inepta
EX¹⁸⁵
Mauritius

Cylindraspis peltastes
EX¹⁸⁵
Mauritius (Rodrigues)

Cylindraspis triserrata
EX¹⁸⁵
Mauritius

Cylindraspis vosmaeri
EX¹⁸⁵
Mauritius (Rodrigues)

Class AMPHIBIA

Order ANURA

Family DISCOGLOSSIDAE

Discoglossus nigriventer
Israel Painted Frog
EX¹⁸⁵
Israel
[L. Huleh]

Family MYOBATRACHIDAE

Uperoleia marmorata
Marbled Toadlet
EX¹⁴
Australia

Family RANIDAE

Arthroleptides dutoiti
EX¹⁸⁵
Kenya

Rana fisheri
Vegas Valley Leopard Frog
EX¹⁸⁵
USA

Rana tlaloci
EX¹⁸⁵
Mexico



Class
CEPHALASPIDOMORPHI

Order
PETROMYZONTIFORMES
Family **PETROMYZONTIDAE**

Lampetra minima
Miller Lake Lamprey
EX¹⁸⁵
USA

Class **ACTINOPTERYGII**

Order **CYPRINIFORMES**
Family **CYPRINIDAE**

Acanthobrama hulensis
EX¹⁸⁵
Israel
[L. Huleh]

Cyprinus yilongensis
EX¹⁸⁵
China

Epalzeorhynchus bicolor
EW¹⁰¹
Thailand

Evarra bustamantei
Mexican Dace
EX¹⁸⁵
Mexico

Evarra eigenmanni
Mexican Dace
EX¹⁸⁵
Mexico

Evarra tlahuacensis
Mexican Dace
EX¹⁸⁵
Mexico

Gila crassicauda
Thicktail Chub
EX¹⁸⁵
USA

Lepidomeda altivelis
Pahranagat Spinedace
EX¹⁸⁵
USA

Leuciscus turskyi
EX¹⁸⁵
Croatia
[R. Cikola]

Notropis amecae
Ameca Shiner
EX¹⁸⁵
Mexico

Notropis aulidion
Durango Shiner
EX¹⁸⁵
Mexico

Notropis orca
Phantom Shiner
EX¹⁸⁵
Mexico, USA

Notropis saladonis
Sardinita de Salado
EX⁴⁹
Mexico

Pogonichthys ciscoideis
Clear Lake Splittail
EX¹⁸⁵
USA

Rhinichthys deaconi
Las Vegas Dace
EX¹⁸⁵
USA

Stypodon signifer
Stumptooth Minnow
EX¹⁸⁵
Mexico

Family **CATOSTOMIDAE**

Chasmistes muriei
Snake River Sucker
EX¹⁸⁵
USA

Lagochila lacera
Harelip Sucker
EX¹⁸⁵
USA

Order **SILURIFORMES**

Family **TRICHOMYCTERIDAE**

Rhizosomichthys totae
EX¹⁸⁵
Colombia
[L. Tota]

Order **SALMONIFORMES**

Family **RETROPINNIDAE**

Prototroctes oxyrhynchus
New Zealand Grayling
EX¹⁸⁵
New Zealand

Family **SALMONIDAE**

Coregonus alpenae
Longjaw Cisco
EX¹⁸⁵
Canada, USA
[Great Lakes]

Coregonus johanna
Deepwater Cisco
EX¹⁸⁵
Canada, USA
[Great Lakes]

Coregonus nigripinnis
Blackfin Cisco
EX⁷⁵
Canada
[Great Lakes]

Salvelinus agassizi
Silver Trout
EX¹⁸⁵
USA

Order **ATHERINIFORMES**

Family **ATHERINIDAE**

Rheocles sikorae
Zona
EX¹⁶⁸
Madagascar
[R. Manambola]

Order **CYPRINODONTIFORMES**

Family **CYPRINODONTIDAE**

Cyprinodon alvarezii
Perrito de Potosi
EW⁴⁹
Mexico

Cyprinodon ceciliae
Cachorrito de la Presa
EX⁴⁹
Mexico

Cyprinodon inmemoriam
Cachorrito de la Trinidad
EX⁴⁹
Mexico

Cyprinodon latifasciatus
Perrito de Parras
EX¹⁸⁵
Mexico

Cyprinodon longidorsalis
Cachorrito de Charco Palmal
EW⁴⁹
Mexico

Cyprinodon sp.
Perritos de Sandia
EX¹⁸⁵
Mexico

Fundulus albolineatus
Whiteline Topminnow
EX¹⁸⁵
USA

Megupsilon aporus
Cachorrito Enano de Potosi
EW⁴⁹
Mexico

Family GOODEIDAE

Amea splendens

Goodeid
EW⁴⁹
Mexico

Characodon garmani

Parras Characodon
EX¹⁸⁵
Mexico

Empetrichthys merriami

Ash Meadows Killifish
EX¹⁸⁵
USA

Skiffia francesae

Tiro
EW⁴⁹
Mexico

Family POECILIIDAE

Gambusia amistadensis

Amistad Gambusia
EX¹⁸⁵
USA

Gambusia georgei

San Marcos Gambusia
EX¹⁸⁵
USA

Priapella bonita

Guayacon Ojiazul
EX¹⁸⁵
Mexico

Order SCORPAENIFORMES

Family COTTIDAE

Cottus echinatus

Utah Lake Sculpin
EX¹⁸⁵
USA

Order PERCIFORMES

Family PERCIDAE

Etheostoma sellare

Maryland Darter
EX¹⁸⁵
USA

Family CICHLIDAE

Astatotilapia martini

EX⁹⁷
[L. Victoria]

Astatotilapia megalops

EX⁹⁷
[L. Victoria]

Gaurochromis obtusidens

EX⁹⁷
[L. Victoria]

Haplochromis lividus

EW⁹⁷
[L. Victoria]

Haplochromis "red-eye guiarti"

EW⁹⁷
[L. Victoria]

Haplochromis artaxerxes

EX⁹⁷
[L. Victoria]

Haplochromis boops

EX⁹⁷
[L. Victoria]

Haplochromis cavifrons

EX⁹⁷
[L. Victoria]

Haplochromis maculipinna

EX⁹⁷
[L. Victoria]

Haplochromis michaeli

EX⁹⁷
[L. Victoria]

Haplochromis nyanzae

EX⁹⁷
[L. Victoria]

Haplochromis pachycephalus

EX⁹⁷
[L. Victoria]

Haplochromis paraplagiostoma

EX⁹⁷
[L. Victoria]

Haplochromis pectoralis

EX⁹⁷
[L. Victoria]

Haplochromis spekii

EX⁹⁷
[L. Victoria]

Haplochromis thuragnathus

EX⁹⁷
[L. Victoria]

Haplochromis victorianus

EX⁹⁷
[L. Victoria]

Hoplotilapia retrodens

EX⁹⁷
[L. Victoria]

Labrochromis ishmaeli

EW⁹⁷
[L. Victoria]

Labrochromis mylergates

EX⁹⁷
[L. Victoria]

Labrochromis pharyngomylus

EX⁹⁷
[L. Victoria]

Labrochromis teegelaari

EX⁹⁷
[L. Victoria]

Lipochromis microdon

EX⁹⁷
[L. Victoria]

Platytaeniodus degeni

EW⁹⁷
[L. Victoria]

Prognathochromis arcanus

EX⁹⁷
[L. Victoria]

Prognathochromis argenteus

EX⁹⁷
[L. Victoria]

Prognathochromis bartoni

EX⁹⁷
[L. Victoria]

Prognathochromis bayoni

EX⁹⁷
[L. Victoria]

Prognathochromis dectocostoma

EX⁹⁷
[L. Victoria]

Prognathochromis dentex

EX⁹⁷
[L. Victoria]

Prognathochromis estor

EX⁹⁷
[L. Victoria]

Prognathochromis flavipinnis

EX⁹⁷
[L. Victoria]

Prognathochromis gilberti

EX⁹⁷
[L. Victoria]

Prognathochromis gowersi

EX⁹⁷
[L. Victoria]

Prognathochromis longirostris

EX⁹⁷
[L. Victoria]

Prognathochromis macrognathus

EX⁹⁷
[L. Victoria]

Prognathochromis mandibularis

EX⁹⁷
[L. Victoria]

Prognathochromis nanoserranus

EX⁹⁷
[L. Victoria]

Prognathochromis nigrescens

EX⁹⁷
[L. Victoria]

Prognathochromis paraguayarti

EX⁹⁷
[L. Victoria]

Prognathochromis percoides

EX⁹⁷
[L. Victoria]

***Prognathochromis perrieri***

EW⁹⁷
[L. Victoria]

Prognathochromis prognathus

EX⁹⁷
[L. Victoria]

Prognathochromis pseudopellegrini

EX⁹⁷
[L. Victoria]

Prognathochromis vittatus

EX⁹⁷
[L. Victoria]

Prognathochromis xenostoma

EX⁹⁷
[L. Victoria]

Psammochromis cassius

EX⁹⁷
[L. Victoria]

Pyxichromis parorthostoma

EX⁹⁷
[L. Victoria]

Xystichromis bayoni

EX⁹⁷
[L. Victoria]

Yssichromis "argens"

EW⁹⁷
[L. Victoria]

Class CRUSTACEA**Order AMPHIPODA****Family CRANGONYCTIDAE*****Stygobramus lucifugus***

Rubious Cave Amphipod
EX¹⁸⁵
USA

Family GAMMARIDAE***Gammarus acheronytes***

Illinois Cave Amphipod
EX⁵⁴
USA

Gammarus desperatus

Noel's Amphipod
EX⁴⁵
USA

Family PARAMELITIDAE***Austrogammarus australis***

EX¹⁸⁵
Australia

Order CALANOIDA**Family DIAPTOMIDAE*****Tropodiatomus ctenopus***

EX¹⁴⁵
Madagascar

Order CYCLOPOIDA**Family CYCLOPIDAE*****Afrocyclus pauliani***

EX¹⁴⁵
Madagascar

Order DECAPODA**Family ATYIDAE*****Syncaris pasadenas***

Pasadena Freshwater Shrimp
EX¹⁸⁵
USA

Order ISOPODA**Family SPHAEROMATIDAE*****Thermosphaeroma thermophilum***

Socorro Isopod
EW⁹⁵
USA

Order PODOCOPIDA**Family CANDONIIDAE*****Namibocypris costata***

EX⁹⁵
Namibia

Family CYPRIDIDAE***Liocypris grandis***

EX⁹⁵
South Africa

Class INSECTA**Order COLEOPTERA****Family CARABIDAE*****Mecodema punctellum***

EX¹⁸⁵
New Zealand

Family CERAMBYCIDAE***Xylotoles costatus***

EX¹⁸⁵
New Zealand (Chatham Is)

Family CURCULIONIDAE***Dryaphthorus distinguendus***

EX¹⁸⁵
USA (Hawaiian Is)

Dryatribus mimeticus

EX¹⁸⁵
USA (Hawaiian Is)

Hadramphus tuberculatus

EX¹⁸⁵
New Zealand

Macrancylus linearis

EX¹⁸⁵
USA (Hawaiian Is)

Oedemasyllus laysanensis

EX¹⁸⁵
USA (Hawaiian Is)

Pentarthrum blackburni

Blackburn's Weevil
EX¹⁸⁵
USA (Hawaiian Is)

Rhyncogonus bryani

EX¹⁸⁵
USA (Hawaiian Is)

Trigonoscuta rossi

Fort Ross Weevil
EX¹⁸⁵
USA

Trigonoscuta yarbalindae

Yorba Linda Weevil
EX¹⁸⁵
USA

Family DYTISCIDAE***Hygrotus artus***

Mono Lake Diving Beetle
EX¹⁸⁵
USA

Megadytes ducalis

EX¹⁸⁵
Brazil

Rhantus novacaledoniae

EX¹⁸⁵
New Caledonia

Rhantus orbigny

EX¹⁸⁵
Argentina, Brazil

Rhantus papuanus

EX¹⁸⁵
Papua New Guinea

Siئتitia balsetensis

Perrin's Cave Beetle
EX¹⁸⁵
France

Order DIPTERA**Family DOLICHOPODIDAE*****Campsicnemus mirabilis***

EX¹⁸⁵
USA (Hawaiian Is)

Family DROSOPHILIDAE***Drosophila lanaiensis***

EX¹⁸⁵
USA (Hawaiian Is)

Family TABANIDAE***Stonemyia volutina***

Volutine Stoneyian Tabanid Fly
EX¹⁸⁵
USA

Order **EPHEMEROPTERA**

Family **EPHEMERIDAE**

Pantagenia robusta
Robust Burrowing Mayfly
EX¹⁸⁵
USA

Family **SIPHONURIDAE**

Acanthometropus pecatonica
Pecatonica River Mayfly
EX¹⁸⁵
USA

Order **HOMOPTERA**

Family **PSEUDOCOCCIDAE**

Clavicoccus erinaceus
EX¹⁸⁵
USA (Hawaiian Is)

Phyllococcus oahuensis
EX¹⁸⁵
USA (Hawaiian Is)

Order **LEPIDOPTERA**

Family **ARGYRESTHIIDAE**

Argyresthia castaneela
Chestnut Ermine Moth
EX¹⁸⁵
USA

Family **COLEOPHORIDAE**

Coleophora leucochryrella
EX¹⁸⁵
USA

Family **GEOMETRIDAE**

Scotorythra megalophylla
Kona Giant Looper Moth
EX¹⁸⁵
USA (Hawaiian Is)

Scotorythra nesiotis
Ko'olau Giant Looper Moth
EX¹⁸⁵
USA (Hawaiian Is)

Scotorythra paratactis
Hawaiian Hopseed Looper Moth
EX¹⁸⁵
USA (Hawaiian Is)

Tritocleis microphylla
Ola'a Peppered Looper Moth
EX¹⁸⁵
USA (Hawaiian Is)

Family **LIBYTHEIDAE**

Libythea cinyras
EX¹⁸⁵
Mauritius

Family **LYCAENIDAE**

Deloneura immaculata
EX¹⁸⁵
South Africa

Glaucopsyche xerces
Xerces Blue
EX¹⁸⁵
USA

Lepidochrysops hypopolia
EX¹⁸⁵
South Africa

Family **NEPTICULIDAE**

Ectodemia castaneae
American Chestnut Moth
EX¹⁸⁵
USA

Ectodemia phleophaga
Phleophagan Chestnut Moth
EX¹⁸⁵
USA

Family **NOCTUIDAE**

Agrotis criniger
Poko Noctuid Moth
EX¹⁸⁵
USA (Hawaiian Is)

Agrotis fasciata
Midway Noctuid Moth
EX¹⁸⁵
USA (Hawaiian Is)

Agrotis kerri
Kerr's Noctuid Moth
EX¹⁸⁵
USA (Hawaiian Is)

Agrotis laysanensis
Laysan Noctuid Moth
EX¹⁸⁵
USA (Hawaiian Is)

Agrotis photophila
EX¹⁸⁵
USA (Hawaiian Is)

Agrotis procellaris
EX¹⁸⁵
USA (Hawaiian Is)

Helicoverpa confusa
Confused Moth
EX¹⁸⁵
USA (Hawaiian Is)

Helicoverpa minuta
Minute Noctuid Moth
EX¹⁸⁵
USA (Hawaiian Is)

Hypena laysanensis
Laysan Dropseed Noctuid Moth
EX¹⁸⁵
USA (Hawaiian Is)

Hypena newelli
Hilo Noctuid Moth
EX¹⁸⁵
USA (Hawaiian Is)

Hypena plagiota
Lovegrass Noctuid Moth
EX¹⁸⁵
USA (Hawaiian Is)

Hypena senicula
Kaholuamano Noctuid Moth
EX¹⁸⁵
USA (Hawaiian Is)

Family **PYRALIDAE**

Genophantis leahi
EX¹⁸⁵
USA (Hawaiian Is)

Hedylepta asaphrombra
EX¹⁸⁵
USA (Hawaiian Is)

Hedylepta continuatalis
EX¹⁸⁵
USA (Hawaiian Is)

Hedylepta epicentra
EX¹⁸⁵
USA (Hawaiian Is)

Hedylepta euryprora
EX¹⁸⁵
USA (Hawaiian Is)

Hedylepta fullawayi
EX¹⁸⁵
USA (Hawaiian Is)

Hedylepta laysanensis
EX¹⁸⁵
USA (Hawaiian Is)

Hedylepta meyricki
EX¹⁸⁵
USA (Hawaiian Is)

Hedylepta musicola
EX¹⁸⁵
USA (Hawaiian Is)

Hedylepta telegrapha
EX¹⁸⁵
USA (Hawaiian Is)

Oeobia sp.
EX¹⁸⁵
USA (Hawaiian Is)

Family **SPHINGIDAE**

Tinostoma smaragditis
Fabulous Green Sphinx of Kauai
EX¹⁸⁵
USA (Hawaiian Is)

Family **TISCHERIIDAE**

Tischeria perplexa
Chestnut Clearwing Moth
EX¹⁸⁵
USA



Family ZYGAENIDAE

Levuana iridescens

Levuana Moth

EX¹⁸⁵

USA (Hawaiian Is)

Order ODONATA

Family COENAGRIONIDAE

Megalagrion jugorum

Jugorum Megalagrion Damselfly

EX¹²³

USA (Hawaiian Is)

Family LIBELLULIDAE

*Sympetrum dilatatum*EX¹²³

St Helena

Order ORTHOPTERA

Family ACRIDIDAE

Conozoa hyalina

Central Valley Grasshopper

EX¹⁴⁶

USA

Family GRYLLIDAE

Leptogryllus deceptor

Oahu Deceptor Bush Cricket

EW¹²⁵

USA (Hawaiian Is)

Family TETTIGONIIDAE

Neduba extincta

Antioch Dunes Shieldback Katydid

EX¹⁸⁵

USA

Order PHASMATOPTERA

Family PHASMATIDAE

Dryococelus australis

Lord Howe Island Stick-insect

EX¹⁸⁵

Australia

Order PLECOPTERA

Family CHLOROPERLIDAE

Alloperla roberti

Robert's Stonefly

EX¹⁸⁵

USA

Order TRICHOPTERA

Family HYDROPSYCHIDAE

Hydropsyche tobiasi

Tobias' Caddisfly

EX¹⁸⁵

Germany

Family LEPTOCERIDAE

Trienodes phalacris

Athens Caddisfly

EX¹⁸⁵

USA

Trienodes tridonata

Three-tooth Caddisfly

EX¹⁸⁵

USA

Family RHYACOPHILIDAE

Rhyacophila amabilis

Castle Lake Caddisfly

EX¹⁸⁵

USA

Class ONYCHOPHORA

Order ONYCHOPHORA

Family PERIPATOPSIDAE

*Opisthopatus roseus*EX¹²²

South Africa

*Peripatopsis clavigera*EX¹²²

South Africa

*Peripatopsis leonina*EX¹²²

South Africa

Class BIVALVIA

Order UNIONOIDA

Family UNIONIDAE

Dysnomia arcaeformis?

Sugarspoon

EX¹¹⁵

USA

Dysnomia biemarginata

Angled Riffleshell

EX¹¹⁵

USA

Dysnomia flexuosa

Leafshell

EX¹¹⁵

USA

Dysnomia haysiana

Acornshell

EX¹¹⁵

USA

*Dysnomia lefevri*EX¹¹⁵

USA

Dysnomia leniar

Narrow Catpaw

EX¹¹⁵

USA

Dysnomia lewisii?

Forkshell

EX¹¹⁵

USA

Dysnomia personata

Round Combshell

EX¹¹⁵

USA

Dysnomia propinqua

Tennessee Riffleshell

EX¹¹⁵

USA

Dysnomia sampsoni

Wabash Riffleshell

EX¹¹⁵

USA

Dysnomia stewardsoni

Cumberland Leafshell

EX¹¹⁵

USA

*Unio cariei*EX²⁷

Réunion

Class GASTROPODA

Order ARCHAEOGASTROPODA

Family LOTTIDAE

Lottia alveus

Eelgrass Limpet

EX²⁶

USA

Family NACELLIDAE

*Collisella edmitchelli*EX²⁶

USA

Order BASOMMATOPHORA

Family PLANORBIDAE

*Miratesta celebensis*EX²⁶

Indonesia

Order MESOGASTROPODA

Family ASSIMINEIDAE

*Omphalotropis plicosa*EX⁷⁸

Mauritius

Family CYCLOPHORIDAE

*Cyclophorus horridulum*EX²⁷

Mayotte

*Cyclosurus mariei*EX²⁷

Mayotte

Family HYDROBIIDAE

Angrobia dulvertonensis

EX ¹¹⁵

Australia

Beddomeia tumida

EX ¹³⁸

Australia

Belgrandiella intermedia

EX ⁷⁹

Austria

Bythinella intermedia

EX ¹¹⁵

Austria

Lithoglyphus umbilicata

Umbilicate Pebblesnail

EX ¹¹⁵

USA

Littoridina gaudichaudii

EX ²⁶

Ecuador

Ohrdohauffenia drimica

EX ¹¹⁵

Yugoslavia

Pasticobia norfolkensis

EX ¹¹⁵

Norfolk Island

Family LITTORINIDIDAE

Littoraria flammea

EX ²⁶

China

Family NEOCYCLOTIDAE

Amphicyclotulus guadeloupensis

EX ²⁶

Guadeloupe

Incerticyclus cinereus

EX ²⁶

Martinique

Incerticyclus martinicensis

EX ²⁶

Martinique

Family PLEUROCERIDAE

Anculosa formanii

Interrupted Rocksnaail

EX ¹¹⁵

USA

Elimia hartmanniana

High-spined Elimia

EX ¹¹⁵

USA

Leptoxis anthonyix

Anthony's River Snail

EX ¹¹⁵

USA

Family POMATIASIDAE

Tropidophora desmazuresi

EX ⁷⁸

Mauritius (Rodrigues)

Tropidophora semilineata

EX ²⁷

Mayotte

Family POMATIOPSIDAE

Tomicha cawstoni

EX ³³

South Africa

Order STYLOMMATOPHORA

Family ACHATINELLIDAE

Achatinella abbreviata

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella buddii

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella caesia

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella casta

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella decora

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella dimorpha

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella elegans

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella juddii

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella juncea

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella lehuiensis

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella livida

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella papyracea

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella spaldingi

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella thaanumi

EX ¹¹⁵

USA (Hawaiian Is)

Achatinella valida

EX ¹¹⁵

USA (Hawaiian Is)

Auriculella expansa

EX ¹¹⁵

USA (Hawaiian Is)

Auriculella uniplicata

EX ¹¹⁵

USA (Hawaiian Is)

Lamellidea monodonta

EX ¹¹⁵

Japan (Ogasawara-gunto)

Lamellidea nakadai

EX ¹¹⁵

Japan (Ogasawara-gunto)

Newcambia philippiana

EX ¹¹⁵

USA (Hawaiian Is)

Partulina crassa

EX ¹¹⁵

USA (Hawaiian Is)

Partulina montagui

EX ¹¹⁵

USA (Hawaiian Is)

Perdicella fulgurans

EX ¹¹⁵

USA (Hawaiian Is)

Perdicella maniensis

EX ¹¹⁵

USA (Hawaiian Is)

Perdicella zebra

EX ¹¹⁵

USA (Hawaiian Is)

Perdicella zebrina

EX ¹¹⁵

USA (Hawaiian Is)

Tornelasmias capricorni

EX ¹³⁸

Australia

Family AMASTRIDAE

Amastra albolabris

EX ¹¹⁵

USA (Hawaiian Is)

Amastra cornea

EX ¹¹⁵

USA (Hawaiian Is)

Amastra crassilabrum

EX ¹¹⁵

USA (Hawaiian Is)

Amastra elongata

EX ¹¹⁵

USA (Hawaiian Is)

Amastra forbesi

EX ¹¹⁵

USA (Hawaiian Is)



- Amastra pellucida*
EX ¹¹⁵
USA (Hawaiian Is)
- Amastra porcus*
EX ¹¹⁵
USA (Hawaiian Is)
- Amastra reticulata*
EX ¹¹⁵
USA (Hawaiian Is)
- Amastra subrostrata*
EX ¹¹⁵
USA (Hawaiian Is)
- Amastra subSOROR*
EX ¹¹⁵
USA (Hawaiian Is)
- Amastra tenuispira*
EX ¹¹⁵
USA (Hawaiian Is)
- Amastra umbilicata*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia anceophila*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia bicolor*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia cochlea*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia cumingiana*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia dolei*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia evelynae*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia glossema*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia hyattiana*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia kalalauensis*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia knudseni*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia lirata*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia lymani*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia mirabilis*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia necra*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia olivacea*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia paradoxa*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia periscelis*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia pilsbryi*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia sinclairi*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia tenebrosa*
EX ¹¹⁵
USA (Hawaiian Is)
- Carelia turricula*
EX ¹¹⁵
USA (Hawaiian Is)
- Family ARIOPHANTIDAE
- Vitrinula chaunax*
EX ¹¹⁵
Japan (Ogasawara-gunto)
- Vitrinula chichijimana*
EX ¹¹⁵
Japan (Ogasawara-gunto)
- Vitrinula hahajimana*
EX ¹¹⁵
Japan (Ogasawara-gunto)
- Family CAMAENIDAE
- Pleurodonte desidens*
EX ²⁶
Martinique
- Family CERASTUIDAE
- Rhachis comorensis*
EX ¹¹⁵
Mayotte
- Rhachis sanguineus*
EX ¹¹⁵
Mauritius
- Family CHAROPIDAE
- Helenoconcha leptalea*
EX ¹¹⁵
St Helena
- Helenoconcha minutissima*
EX ¹¹⁵
St Helena
- Helenoconcha polyodon*
EX ¹¹⁵
St Helena
- Helenoconcha pseustes*
EX ¹¹⁵
St Helena
- Helenoconcha sexdentata*
EX ¹¹⁵
St Helena
- Helenodiscus bilamellata*
EX ¹¹⁵
St Helena
- Helenodiscus vernoni*
EX ¹¹⁵
St Helena
- Libera subcavernula*
EX ¹⁵⁴
Cook Islands
- Libera tumuloides*
EX ¹⁵⁴
Cook Islands
- Mautodontha acuticosta*
EX ¹⁵⁴
French Polynesia
- Mautodontha consimilis*
EX ¹⁵⁴
French Polynesia
- Mautodontha consobrina*
EX ¹⁵⁴
French Polynesia
- Mautodontha maupiensis*
EX ¹⁵⁴
French Polynesia
- Mautodontha parvidens*
EX ¹⁵⁴
French Polynesia
- Mautodontha punctiperforata*
EX ¹⁵⁴
French Polynesia
- Mautodontha saintjohni*
EX ¹⁵⁴
French Polynesia
- Mautodontha subtilis*
EX ¹⁵⁴
French Polynesia
- Mautodontha unilamellata*
EX ¹⁵⁴
Cook Islands
- Sinployea canalis*
EX ¹⁵⁵
Cook Islands
- Sinployea decorticata*
EX ¹⁵⁵
Cook Islands
- Sinployea harveyensis*
EX ¹⁵⁵
Cook Islands

Sinployea otareae

EX¹⁵⁵

Cook Islands

Sinployea planospira

EX¹⁵⁵

Cook Islands

Sinployea proxima

EX¹⁵⁵

Cook Islands

Sinployea rudis

EX¹⁵⁵

Cook Islands

Sinployea tenuicostata

EX¹⁵⁵

Cook Islands

Sinployea youngi

EX¹⁵⁵

Cook Islands

Taipidon anceyana

EX¹⁵⁴

French Polynesia

Taipidon marquesana

EX¹⁵⁴

French Polynesia

Taipidon octolamellata

EX¹⁵⁴

French Polynesia

Thaumatodon multilamellata

EX¹⁵⁴

Cook Islands

Family **DISCIDAE**

Discus guerinianus

EX¹⁵⁴

Portugal (Madeira)

Family **ENDODONTIDAE**

Hirasea planulata

EX¹¹⁵

Japan (Ogasawara-gunto)

Mautodontha zebrina

EX¹¹⁵

Cook Islands

Pseudocampylaea diana

EX¹¹⁵

St Helena

Pseudocampylaea laetissima

EX¹¹⁵

St Helena

Pseudocampylaea persoluta

EX¹¹⁵

St Helena

Pseudocampylaea spurca

EX¹¹⁵

St Helena

Family **EUCONULIDAE**

Caldwellia philyrina

EX⁷⁸

Mauritius

Colparion madgei

EX⁷⁸

Mauritius (Rodrigues)

Ctenoglypta newtoni

EX⁷⁸

Mauritius

Dupontia proletaria

EX⁷⁸

Mauritius, Réunion

Pachystyla rufozonata

EX⁷⁸

Mauritius

Family **HELICARIONIDAE**

Advena campbelli

EX¹¹⁵

Norfolk Island

Diastole matafaoi

EX¹¹⁵

American Samoa

Erepta nevillei

EX¹¹⁵

Mauritius

Harmogenanina linophora

EX⁷⁸

Mauritius, Réunion

Harmogenanina subdetecta

EX¹¹⁵

Réunion

Nancibella quintalia

EX¹³⁷

Norfolk Island

Panulena perrugosa

EX¹¹⁵

Norfolk Island

Quintalia flosculus

EX¹¹⁵

Norfolk Island

Quintalia stoddartii

EX¹¹⁵

Norfolk Island

Family **HELICIDAE**

Pseudocampylaea lowei

EX¹¹⁵

Portugal (Madeira)

Family **HYGROMIIDAE**

Trochoidea picardi

EX⁸⁷

Israel

Family **MEGALOBULIMIDAE**

Megalolulimus cardosoi

EX¹⁰⁸

Brazil

Family **OLEACINIDAE**

Oleacina guadeloupensis

EX²⁶

Guadeloupe

Family **ORTHALICIDAE**

Leucocharis loyaltiensis

EX¹¹⁵

New Caledonia

Leucocharis porphyrocheila

EX¹¹⁵

New Caledonia

Placostylus cuniculinsulae

EX¹³⁸

Australia

Family **PARTULIDAE**

Partula affinis

EX¹¹⁵

French Polynesia

Partula approximata

EX¹¹⁵

French Polynesia

Partula arguta

EX¹¹⁵

French Polynesia

Partula atilis

EX¹¹⁵

French Polynesia

Partula attenuata

EX¹¹⁵

French Polynesia

Partula aurantia

EX¹¹⁵

French Polynesia

Partula auriculata

EX¹¹⁵

French Polynesia

Partula bilineata

EX¹¹⁵

French Polynesia

Partula callifera

EX¹¹⁵

French Polynesia

Partula candida

EX¹¹⁵

French Polynesia

Partula castanea

EX¹¹⁵

French Polynesia

Partula cedista

EX¹¹⁵

French Polynesia

Partula citrina

EX¹¹⁵

French Polynesia

Partula compacta

EX¹¹⁵

French Polynesia

Partula crassilabris

EX¹¹⁵

French Polynesia



- Partula cuneata*
EX ¹¹⁵
French Polynesia
- Partula cytherea*
EX ¹¹⁵
French Polynesia
- Partula dentifera*
EW ⁴³
French Polynesia
- Partula dolichostoma*
EX ¹¹⁵
French Polynesia
- Partula dolorosa*
EX ¹¹⁵
French Polynesia
- Partula eremita*
EX ¹¹⁵
French Polynesia
- Partula exigua*
EX ¹¹⁵
French Polynesia
- Partula faba*
EW ⁴³
French Polynesia
- Partula formosa*
EX ¹¹⁵
French Polynesia
- Partula fusea*
EX ¹¹⁵
French Polynesia
- Partula garretti*
EW ¹¹⁵
French Polynesia
- Partula hebe*
EW ¹¹⁵
French Polynesia
- Partula imperforata*
EX ¹¹⁵
French Polynesia
- Partula jackieburchi*
EX ¹¹⁵
French Polynesia
- Partula labrusca*
EW ¹¹⁵
French Polynesia
- Partula leptochila*
EX ¹¹⁵
French Polynesia
- Partula levilineata*
EX ¹¹⁵
French Polynesia
- Partula levistriata*
EX ¹¹⁵
French Polynesia
- Partula lutea*
EX ¹¹⁵
French Polynesia
- Partula microstoma*
EX ¹¹⁵
French Polynesia
- Partula mirabilis*
EW ¹¹⁵
French Polynesia
- Partula mooreana*
EW ¹¹⁵
French Polynesia
- Partula nodosa*
EX ¹¹⁵
French Polynesia
- Partula planilabrum*
EX ¹¹⁵
French Polynesia
- Partula producta*
EX ¹¹⁵
French Polynesia
- Partula protea*
EX ¹¹⁵
French Polynesia
- Partula protracta*
EX ¹¹⁵
French Polynesia
- Partula radiata*
EX ¹¹⁵
French Polynesia
- Partula raiatensis*
EX ¹¹⁵
French Polynesia
- Partula remota*
EX ¹¹⁵
French Polynesia
- Partula robusta*
EX ¹¹⁵
French Polynesia
- Partula rustica*
EX ¹¹⁵
French Polynesia
- Partula sagitta*
EX ¹¹⁵
French Polynesia
- Partula salifana*
Mount Alifana Partula
EX ¹¹⁵
Guam
- Partula thalia*
EX ¹¹⁵
French Polynesia
- Partula tohiviana*
EW ¹¹⁵
French Polynesia
- Partula tristis*
EW ¹¹⁵
French Polynesia
- Partula turgida*
EX ¹¹⁵
French Polynesia
- Partula umbilicata*
EX ¹¹⁵
French Polynesia
- Partula variabilis*
EX ¹¹⁵
French Polynesia
- Partula vittata*
EX ¹¹⁵
French Polynesia
- Family PUPILLIDAE
- Gastrocopta chichijimana*
EX ¹⁷⁵
Japan (Ogasawara-gunto)
- Gastrocopta ogasawarana*
EX ¹⁷⁵
Japan (Ogasawara-gunto)
- Leiostylia lamellosa*
EX ¹⁵⁴
Portugal (Madeira)
- Lyropupa perlonga*
EX ⁵²
USA (Hawaiian Is)
- Nesopupa turtoni*
EX ¹¹⁵
St Helena
- Pupilla obliquicosta*
EX ¹¹⁵
St Helena
- Family STREPTAXIDAE
- Gibbus lyonetianus*
EX ⁷⁸
Mauritius
- Gonidomus newtoni*
EX ⁷⁸
Mauritius
- Gonospira nevillei*
EX ⁷⁸
Mauritius
- Gulella mayottensis*
EX ¹¹⁵
Mayotte
- Gulella thomasetti*
EX ¹¹⁵
Seychelles
- Family SUBULINIDAE
- Chilonopsis blofeldi*
EX ¹¹⁵
St Helena
- Chilonopsis exulatus*
EX ¹¹⁵
St Helena
- Chilonopsis helena*
EX ¹¹⁵
St Helena
- Chilonopsis melanoides*
EX ¹¹⁵
St Helena

Chilonopsis nonpareil

EX¹¹⁵

St Helena

Chilonopsis subplicatus

EX¹¹⁵

St Helena

Chilonopsis subtruncatus

EX¹¹⁵

St Helena

Chilonopsis turtoni

EX¹¹⁵

St Helena

Family VERTIGINIDAE

Campolaemus perexilis

EX¹¹⁵

St Helena

Class TURBELLARIA

Order TRICLADIDA

Family KENKIIDAE

Romankenkius pedderensis

Lake Pedder Planarian

EX¹⁸⁵

Australia

Data Deficient

Class MAMMALIA

Order DIDELPHIMORPHIA

Family DIDELPHIDAE

*Gracilinanus kalinowskii*¹²¹
Peru

*Gracilinanus longicaudis*¹²¹
Colombia

*Gracilinanus perijae*¹²¹
Colombia

*Marmosa canescens*¹²¹
Mexico

*Marmosa tyleriana*¹²¹
Venezuela

Order DASYUROMORPHIA

Family DASYURIDAE

*Antechinomys laniger*¹³
Kultarr
Australia

*Antechinus habbema*¹³
Habbema Antechinus
Indonesia, Papua New Guinea

*Antechinus naso*¹³
Long-nosed Antechinus
Indonesia, Papua New Guinea

*Antechinus sp.*¹³
Normanby Antechinus
Papua New Guinea

*Antechinus wilhelmina*¹³
Lesser Antechinus
Indonesia, Papua New Guinea

*Murexia rothschildi*¹³
Broad-striped Dasyure
Papua New Guinea

*Phascosorex doriae*¹³
Red-bellied Dasyure
Indonesia

*Sminthopsis fuliginosus*¹³
Australia

*Sminthopsis leucopus*¹³
White-footed Dunnart
Australia

Order PERAMELEMORPHIA

Family PERORYCTIDAE

*Echymipera clara*¹³
Clara's Echymipera
Indonesia

*Echymipera davidi*¹³
David's Echymipera
Papua New Guinea

*Echymipera echinista*¹³
Menzies' Echymipera
Papua New Guinea

*Microperoryctes murina*¹³
Mouse Bandicoot
Indonesia

*Microperoryctes papuensis*¹³
Papuan Bandicoot
Papua New Guinea

*Peroryctes broadbenti*¹³
Giant Bandicoot
Papua New Guinea

*Rhynchomeles prattorum*¹³
Ceram Bandicoot
Indonesia

Order DIPROTODONTIA

Family PHALANGERIDAE

*Ailurops ursinus*¹³
Bear Phalanger
Indonesia

*Phalanger alexandrae*¹³
Gebe Cuscus
Indonesia

*Spilocuscus papuensis*¹³
Waigeo Cuscus
Indonesia

*Strigocuscus celebensis*¹³
Small Cuscus
Indonesia

*Strigocuscus gymnotis*¹³
Ground Cuscus
Indonesia, Papua New Guinea

Family MACROPODIDAE

*Dendrolagus inustus*¹³
Grizzled Tree-kangaroo
Indonesia, Papua New Guinea

*Dendrolagus spadix*¹³
Lowland Tree-kangaroo
Papua New Guinea

*Dendrolagus ursinus*¹³
Vogelkop Tree-kangaroo
Indonesia

Family PSEUDOCHEIRIDAE

*Pseudocheirus canescens*¹³
Lowland Ringtail
Indonesia, Papua New Guinea

*Pseudocheirus schlegelii*¹³
Arfak Ringtail
Indonesia

*Pseudochirulus caroli*¹³
Weyland Ringtail
Indonesia

Order XENARTHRA

Family MEGALONYCHIDAE

*Choloepus didactylus*⁶¹
Brazil, Ecuador, French Guiana,
Guyana, Peru, Suriname, Venezuela

*Choloepus hoffmanni*⁶¹
Bolivia, Brazil, Colombia,
Costa Rica, Nicaragua, Panama,
Peru, Venezuela

Family DASYPODIDAE

*Cabassous centralis*⁶¹
Belize, Colombia, Costa Rica,
El Salvador, Guatemala, Honduras,
Mexico, Nicaragua, Panama

*Cabassous chacoensis*⁶¹
Argentina, Brazil, Paraguay

*Dasyus sabanicola*⁶¹
Colombia, Venezuela

*Zaedyus pichiy*⁶¹
Argentina, Chile

Order INSECTIVORA

Family SORICIDAE

*Crocidura armenica*⁹⁶
Armenia

*Crocidura minuta*⁹⁶
Indonesia

*Crocidura religosa*⁹⁶
Egyptian Pygmy Shrew
Egypt

*Crocidura shantungensis*⁹⁶
China

*Sorex excelsus*⁹⁶
China, Nepal?

*Suncus malayanus*⁹⁶
Malaysia, Thailand

Order CHIROPTERA

Family PTEROPODIDAE

*Pteropus argentatus*⁴²
Silvery Fruit Bat
Indonesia

*Pteropus mearnsi*⁴²
Philippines

Family RHINOLOPHIDAE

*Coelops hirsutus*⁴²
Philippines

*Hipposideros crumeniferus*⁴²
Indonesia

*Hipposideros doriae*⁴²
Malaysia

*Hipposideros lamottei*⁴²
Guinea

*Hipposideros pomona*⁴²
China, India, Malaysia, Myanmar,
Thailand

*Rhinolophus adami*⁴²
Congo

*Rhinolophus anderseni*⁴²
Philippines

*Rhinolophus deckenii*⁴²
Angola, Botswana, Malawi,
Mozambique, Namibia, South
Africa, Tanzania, Zimbabwe

*Rhinolophus inops*⁴²
Philippines

*Rhinolophus mitratus*⁴²
India

*Rhinolophus osgoodi*⁴²
China

*Rhinolophus subbadii*⁴²
India, Myanmar, Nepal, Viet Nam

Family PHYLLOSTOMIDAE

*Anoura luismanueli*⁴²
Venezuela

*Artibeus incomitatus*⁴²
El Salvador, Honduras, Nicaragua

Family VESPERTILIONIDAE

*Chalinolobus kenyacola*⁴²
Kenya

*Eptesicus flavescens*⁴²
Angola, Burundi

*Eptesicus kobayashii*⁴²
North Korea, South Korea

*Eptesicus tatei*⁴²
India

*Kerivoula aeresa*⁴²
South Africa?

*Kerivoula africana*⁴²
Tanzania

*Murina fusca*⁴²
China

*Murina tenebrosa*⁴²
Japan

*Myotis abei*⁴²
Russia

*Myotis australis*⁴²
Australia

*Myotis fimbriatus*⁴²
China

*Myotis hermanni*⁴²
Indonesia?

*Myotis insularum*⁴²
American Samoa?, Western Samoa?

*Myotis longipes*⁴²
Afghanistan, India, Viet Nam?

*Myotis oreias*⁴²
Singapore

*Myotis ozensis*⁴²
Japan

*Myotis schaubi*⁴²
Armenia (ex?), Hungary (ex), Iran?

*Pipistrellus aereo*⁴²
Ethiopia?, Kenya

*Pipistrellus endoi*⁴²
Japan

*Pipistrellus lophurus*⁴²
Myanmar, Thailand

*Pipistrellus minahassae*⁴²
Indonesia

*Pipistrellus peguensis*⁴²
Myanmar

*Pipistrellus permixtus*⁴²
Tanzania

*Pipistrellus societatis*⁴²
Malaysia

*Scotomanes emarginatus*⁴²
India?

*Scotophilus celebensis*⁴²
Indonesia

Family MOLOSSIDAE

*Myopterus daubentonii*⁴²
Côte d'Ivoire, Senegal, Zaire

Order PRIMATES

Family GALAGONIDAE

*Galagoides granti*¹⁴³
Grant's Dwarf Galago
Malawi, Mozambique, Tanzania,
Zimbabwe

*Galagoides orinus*¹⁴³
Amani Dwarf Galago
Tanzania

*Galagoides rondoensis*¹⁴³
Rondo Dwarf Galago
Tanzania

*Galagoides udzungwensis*¹⁴³
Matundu Dwarf Galago
Tanzania

Family TARSIIDAE

*Tarsius diana*¹⁴³
Indonesia

*Tarsius pelengensis*¹⁴³
Indonesia

*Tarsius pumilus*¹⁴³
Lesser Spectral Tarsier
Indonesia

*Tarsius sangirensis*¹⁴³
Indonesia

*Tarsius spectrum*¹⁴³
Spectral Tarsier
Indonesia

Family CALLITRICHIDAE

*Callithrix saterei*¹⁴³
Brazil

Family CEBIDAE

*Aotus herskovitzi*¹⁴³
Colombia

*Callicebus olallae*¹⁴³
Beni Titi Monkey
Bolivia

Family CERCOPITHECIDAE

*Cercopithecus dryas*¹⁴³
Dryas Monkey
Zaire

*Macaca ochreata*¹⁴³
Booted Macaque
Indonesia

*Presbytis fredericæ*¹⁴³
Javan Fuscous Leaf Monkey
Indonesia

*Presbytis frontata*¹⁴³
White-fronted Leaf Monkey
Indonesia, Malaysia

*Trachypithecus geei*¹⁴³
Golden Langur
Bhutan, India

*Trachypithecus laotum*¹⁴³
Laos, Viet Nam

*Trachypithecus phayrei*¹⁴³
Bangladesh?, China, India?, Laos,
Myanmar, Thailand, Viet Nam

Family HYLOBATIDAE

*Hylobates gabriellae*¹⁴³
Buff-cheeked Gibbon
Laos, Viet Nam

*Hylobates hoolock*¹⁴³
Hoolock Gibbon
Bangladesh, China, India, Laos?,
Myanmar



*Hylobates leucogenys*¹⁴³
China, Laos, Viet Nam

Order CARNIVORA

Family CANIDAE

*Dusicyon microtis*³⁶
Small-eared Zorro
Brazil, Colombia, Ecuador, Peru,
Venezuela

*Dusicyon sechurae*³⁶
Sechuran Zorro
Ecuador, Peru

*Dusicyon vetulus*³⁶
Hoary Zorro
Brazil

*Fennecus zerda*³⁶
Fennec Fox
Algeria, Chad, Egypt, Libya, Mali,
Mauritania, Morocco, Niger, Saudi
Arabia?, Sudan, Tunisia?

*Vulpes bengalensis*³⁶
Bengal Fox
India, Nepal, Pakistan

*Vulpes cana*³⁶
Blanford's Fox
Afghanistan, Egypt, Iran, Israel,
Jordan, Oman, Pakistan, Saudi
Arabia, Turkmenistan, United Arab
Emirates, Uzbekistan, Yemen?

*Vulpes corsac*³⁶
Corsac Fox
Afghanistan, China, India, Iran?,
Kazakhstan, Kyrgyzstan?, Mongolia,
Pakistan?, Russia?, Turkmenistan?,
Uzbekistan?

*Vulpes pallida*³⁶
Pale Fox
Benin?, Burkina Faso?, Cameroon?,
Chad, Eritrea, Ethiopia, Libya, Mali,
Mauritania, Niger, Nigeria, Senegal,
Sudan

*Vulpes rueppelli*³⁶
Ruppell's Fox
Afghanistan, Algeria, Chad, Egypt,
Iran, Iraq, Israel, Jordan, Libya,
Mali, Mauritania, Morocco, Niger,
Saudi Arabia, Sudan, Tunisia?

Family FELIDAE

*Felis bieti*⁴⁰
Chinese Desert Cat
China

*Pardofelis marmorata*⁴⁰
Marbled Cat
Bhutan, Cambodia, China, India,
Indonesia, Laos, Malaysia,
Myanmar, Nepal, Thailand, Viet Nam

*Prionailurus rubiginosus*⁴⁰
Rusty-spotted Cat
India, Sri Lanka

Family MUSTELIDAE

*Mustela africana*¹¹⁷
Tropical Weasel
Brazil, Colombia?, Ecuador, Peru

Family PROCYONIDAE

*Nasuella olivacea*¹¹⁷
Colombia, Ecuador, Venezuela

Family URSIDAE

*Helarctos malayanus*¹⁷
Sun Bear
Brunei, Cambodia, China, India,
Indonesia, Laos, Malaysia,
Myanmar, Thailand, Viet Nam

Family VIVERRIDAE

*Genetta abyssinica*¹¹⁷
Abyssinian Genet
Djibouti, Ethiopia, Somalia

*Genetta johnstoni*¹¹⁷
Johnston's Genet
Côte d'Ivoire, Guinea, Liberia

*Mungos gambianus*¹¹⁷
Gambian Mongoose
Côte d'Ivoire, Gambia, Ghana,
Niger, Nigeria, Senegal, Sierra
Leone, Togo

*Osbornictis piscivora*¹¹⁷
Zaire

Order CETACEA

Family BALAENOPTERIDAE

*Balaenoptera edeni*⁴¹
Bryde's Whale
[Atlantic (eastern central, northwest,
southeast, southwest, western
central), Indian Ocean (eastern,
western), Pacific (eastern central,
northeast, southeast, southwest,
western central)]

Family DELPHINIDAE

*Cephalorhynchus commersonii*⁴¹
Commerson's Dolphin
Argentina, Chile, Falkland Islands,
French Southern and Antarctic
Territories (Kerguelen Is)
[Atlantic (southwest), Indian Ocean
(Antarctic), Pacific (southeast)]

*Cephalorhynchus eutropia*⁴¹
Black Dolphin
Chile
[Pacific (southeast)]

*Cephalorhynchus heavisidii*⁴¹
Heaviside's Dolphin
Angola?, Namibia, South Africa
[Atlantic (southeast)]

*Feresa attenuata*⁴¹
Pygmy Killer Whale
[Atlantic (eastern central, southeast,
southwest, western central), Indian
Ocean (eastern, western),
Mediterranean and Black Sea,
Pacific (eastern central, northwest,
southeast, southwest, western
central)]

*Grampus griseus*⁴¹
Risso's Dolphin
[Atlantic (eastern central, northeast,
northwest, southeast, southwest,
western central), Indian Ocean
(eastern, western), Pacific (eastern
central, northeast, northwest,
southeast, southwest, western
central)]

*Lagenodelphis hosei*⁴¹
Fraser's Dolphin
[Atlantic (eastern central, southeast,
southwest, western central), Indian
Ocean (eastern, western), Pacific
(eastern central, northwest, southeast,
western central)]

*Lagenorhynchus australis*⁴¹
Peale's Dolphin
Argentina, Chile, Falkland Islands
[Atlantic (southwest), Pacific
(southeast)]

*Lagenorhynchus obscurus*⁴¹
Dusky Dolphin
Argentina, Chile, Falkland Islands,
French Southern and Antarctic
Territories (Kerguelen Is), New
Zealand (Auckland Is, Campbell Id),
Peru, South Africa
[Atlantic (southeast, southwest),
Pacific (southeast, southwest)]

*Lissodelphis peronii*⁴¹
Southern Right Whale Dolphin
[Atlantic (Antarctic, southeast,
southwest), Indian Ocean (Antarctic,
eastern, western), Pacific (Antarctic,
southeast, southwest)]

*Orcaella brevirostris*⁴¹
Irrawaddy Dolphin
Australia, Bangladesh, Brunei?,
Cambodia, India, Indonesia, Laos?,
Malaysia, Myanmar, Papua New
Guinea, Philippines?, Singapore?,
Thailand, Viet Nam
[Indian Ocean (eastern), Pacific
(western central)]
[R. Brahmaputra, R. Ganges, R.
Irrawaddy]

*Sotalia fluviatilis*⁴¹

Tucuxi

Bolivia?, Brazil, Colombia, Ecuador, French Guiana, Guyana, Panama, Peru, Suriname, Trinidad and Tobago, Venezuela

[Atlantic (southwest, western central)]

[R. Amazon]

*Sousa chinensis*⁴¹

Indo-Pacific Hump-backed Dolphin

Australia, Bahrain, Bangladesh, Brunei, Cambodia, China, Djibouti, Egypt, Ethiopia, Hong Kong, India, Indonesia, Iran, Iraq, Israel, Kenya, Kuwait, Madagascar, Malaysia, Mozambique, Myanmar, Oman, Pakistan, Papua New Guinea, Philippines, Qatar, Saudi Arabia, Somalia, South Africa, Sri Lanka, Sudan, Taiwan, Tanzania, Thailand, United Arab Emirates, Viet Nam, Yemen

[Atlantic (southeast), Indian Ocean (eastern, western), Pacific (northwest, southwest, western central)]

*Sousa teuszii*⁴¹

Atlantic Hump-backed Dolphin

Angola?, Benin, Cameroon, Congo?, Côte d'Ivoire, Equatorial Guinea?, Gabon?, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Mauritania, Nigeria, Senegal, Sierra Leone, Togo, Zaire?

[Atlantic (eastern central, southeast)]

*Stenella clymene*⁴¹

Clymene Dolphin

[Atlantic (eastern central, northwest, southeast, southwest, western central)]

*Stenella frontalis*⁴¹

Atlantic Spotted Dolphin

[Atlantic (eastern central, northeast, northwest, southeast, southwest, western central)]

*Steno bredanensis*⁴¹

Rough-toothed Dolphin

[Atlantic (eastern central, northeast, southeast, southwest, western central), Indian Ocean (eastern, western), Mediterranean and Black Sea, Pacific (eastern central, northeast, northwest, southeast, southwest, western central)]

*Tursiops truncatus*⁴¹

Bottlenose Dolphin

[Atlantic (eastern central, northeast, northwest, southeast, southwest, western central), Indian Ocean (eastern, western), Mediterranean

and Black Sea, Pacific (eastern central, northeast, northwest, southeast, southwest, western central)]

Family MONODONTIDAE

*Monodon monoceros*⁴¹

Narwhal

Canada, Greenland, Iceland?, Norway, Russia, USA
[Arctic Sea, Atlantic (northeast, northwest)]

Family PHOCOENIDAE

*Australophocaena dioptrica*⁴¹

Spectacled Porpoise

Argentina, Australia, Chile, Falkland Islands, French Southern and Antarctic Territories (Kerguelen Is), New Zealand (Auckland Is), Uruguay
[Atlantic (Antarctic, southwest), Indian Ocean (Antarctic, eastern), Pacific (southeast, southwest)]

*Neophocaena phocaenoides*⁴¹

Finless Porpoise

Bahrain, Bangladesh, Brunei?, Cambodia, China, Hong Kong?, India, Indonesia, Iran, Iraq, Japan, Kuwait, Malaysia, Myanmar, North Korea, Oman, Pakistan, Philippines, Qatar, Saudi Arabia, Singapore?, South Africa?, South Korea, Sri Lanka, Taiwan, Thailand, United Arab Emirates, Viet Nam
[Indian Ocean (eastern, western), Pacific (northwest, western central)]
[freshwater Indo-Pacific]

*Phocoena spinipinnis*⁴¹

Burmeister's Porpoise

Argentina, Brazil, Chile, Peru, Uruguay
[Atlantic (southwest), Pacific (southeast)]

Family PLATANISTIDAE

*Pontoporia blainvillei*⁴¹

La Plata River Dolphin

Argentina, Brazil, Uruguay
[Atlantic (southwest)]
[La Plata estuary and adjacent rivers]

Family ZIPHIIDAE

*Mesoplodon bidens*⁴¹

Sowerby's Beaked Whale

[Atlantic (eastern central, northeast, northwest)]

*Mesoplodon bowdoini*⁴¹

Andrews' Beaked Whale

[Indian Ocean (eastern), Pacific (southwest)]

*Mesoplodon carlhubbsi*⁴¹

Hubbs' Beaked Whale

[Pacific (eastern central, northeast, northwest)]

*Mesoplodon densirostris*⁴¹

Blainville's Beaked Whale

[Atlantic (eastern central, northeast, northwest, southeast, southwest, western central), Indian Ocean (eastern, western), Mediterranean and Black Sea, Pacific (eastern central, northwest, southeast, southwest, western central)]

*Mesoplodon europaeus*⁴¹

Gervais' Beaked Whale

[Atlantic (northwest, western central)]

*Mesoplodon ginkgodens*⁴¹

Ginkgo-toothed Beaked Whale

[Indian Ocean (eastern, western), Pacific (eastern central, northwest, southwest, western central)]

*Mesoplodon grayi*⁴¹

Gray's Beaked Whale

[Atlantic (Antarctic, southeast, southwest), Indian Ocean (Antarctic, eastern, western), Pacific (southeast, southwest)]

*Mesoplodon hectori*⁴¹

Hector's Beaked Whale

[Atlantic (southeast, southwest), Indian Ocean (eastern), Pacific (eastern central, southeast, southwest)]

*Mesoplodon layardii*⁴¹

Strap-toothed Whale

[Atlantic (Antarctic, southeast, southwest), Indian Ocean (Antarctic, eastern, western), Pacific (southeast, southwest)]

*Mesoplodon mirus*⁴¹

True's Beaked Whale

[Atlantic (northeast, northwest, southeast, western central), Indian Ocean (eastern)]

*Mesoplodon pacificus*⁴¹

Indo-Pacific Beaked Whale

Australia, Somalia
[Indian Ocean (western), Pacific (western central)]

*Mesoplodon peruvianus*⁴¹

Lesser Beaked Whale

[Pacific (southeast)]

*Mesoplodon stejnegeri*⁴¹

Stejneger's Beaked Whale

[Pacific (eastern central, northeast, northwest)]

***Tasmacetus shepherdi***⁴¹

Shepherd's Beaked Whale
[Atlantic (southwest), Indian Ocean (eastern), Pacific (southeast, southwest)]

Ziphius cavirostris⁴¹

Cuvier's Beaked Whale
[Atlantic (eastern central, northeast, northwest, southeast, southwest, western central), Indian Ocean (eastern, western), Mediterranean and Black Sea, Pacific (eastern central, northeast, northwest, southeast, southwest, western central)]

Order ARTIODACTYLA

Family CERVIDAE

Cervus mariannus^{39c}

Philippine Brown Deer
Guam [int], Japan [int]
(Ogasawara-gunto), Northern
Marianas [int], Philippines

Elaphodus cephalophus⁵⁹

Tufted Deer
China, Myanmar

Hippocamelus antisensis⁵⁹

North Andean Deer
Argentina, Bolivia, Chile, Ecuador
(ex?), Peru

Mazama chunyi⁵⁹

Chunyi
Bolivia, Peru

Muntiacus feai⁵⁹

Fea's Muntjac
China, Laos, Myanmar, Thailand,
Viet Nam

Muntiacus gongshanensis⁵⁹

Gongshan Muntjac
China, India, Myanmar?

Order RODENTIA

Family SCIURIDAE

Spermophilus townsendii⁸²

Townsend's Ground Squirrel
USA

Family DIPODIDAE

Salpingotus thomasi¹⁵

Afghanistan?

Sicista kazbegica¹⁷³

Georgia, Russia

Sicista kluchorica¹⁷³

Russia

Sicista pseudonapaea¹⁷³

Russia

Family MURIDAE

Apodemus alpicola⁸

Alpine Mouse
Austria, France, Italy, Switzerland

Apodemus hyrcanicus¹⁷³

Russia

Arborimus albipes⁸²

White-footed Vole
USA

Arborimus pomo⁸²

California Red Tree Mouse
USA

Batomys dentatus⁸⁶

Philippines

Carpomys melanurus⁸⁶

Philippines

Carpomys phaeurus⁸⁶

Philippines

Dicrostonyx exsul⁸²

St. Lawrence Id Collared Lemming
USA

Dicrostonyx nunatakensis⁸²

Ogilvie Mtns Collared Lemming
Canada

Lemniscomys hoogstraali¹⁶⁹

Sudan

Lophuromys cinereus¹⁶⁹

Zaire

Microtus abbreviatus⁸²

Insular Vole
USA

Mus mattheyi¹⁶⁹

Ghana

Oenomys hypoxanthus¹⁶⁹

Angola, Burundi, Cameroon, Congo,
Equatorial Guinea, Ethiopia, Gabon,
Kenya, Nigeria, Rwanda, Sudan,
Tanzania, Uganda, Zaire

Oryzomys melanotis¹⁵

Mexico

Oryzomys spodiurus⁴⁸

Ecuador

Praomys jacksoni¹⁶⁹

Angola, Burundi, Cameroon, Central
African Republic, Gabon, Kenya,
Nigeria, Rwanda, Sudan, Tanzania,
Uganda, Zaire, Zambia

Praomys montis¹⁶⁹

Kenya

Praomys peromyscus¹⁶⁹

Kenya

Rattus timorensis¹⁵

Malaysia

Rhabdomys pumilio¹⁶⁹

Angola, Botswana, Kenya, Malawi,
Mozambique, Namibia, South
Africa, Tanzania, Uganda, Zaire,
Zambia, Zimbabwe

Family DASYPROCTIDAE

Dasyprocta cristata¹⁵

Suriname

Dasyprocta kalinowskii¹⁵

Peru

Family ECHIMYIDAE

Echimys rhipidurus¹⁵

Peru

Isothrix pictus⁴⁸

Brazil

Mesomys didelphoides¹⁵

Brazil

Mesomys obscurus¹⁵

Brazil

Order LAGOMORPHA

Family OCHOTONIDAE

Ochotona gaoligongensis¹⁰⁴

Gaoligong Pika
China

Ochotona muliensis¹⁰⁴

Muli Pika
China

Family LEPORIDAE

Lepus fagani¹⁰⁴

Ethiopian Hare
Ethiopia

Class AVES

Order TINAMIFORMES

Family TINAMIDAE

Tinamus osgoodi²¹

Black Tinamou
Colombia, Peru

Order PROCELLARIIFORMES

Family HYDROBATIDAE

Oceanites gracilis²¹

White-vented Storm-petrel
Chile, Ecuador

Oceanodroma hornbyi²¹

Ringed Storm-petrel
Chile, Peru

*Oceanodroma markhami*²¹

Markham's Storm-petrel
Peru

*Oceanodroma matsudairae*²¹

Matsudaira's Storm-petrel
Japan

Order PELECANIFORMES

Family

PHALACROCORACIDAE

*Phalacrocorax kenyoni*²¹

Kenyon's Shag
USA

Order FALCONIFORMES

Family ACCIPITRIDAE

*Erythrotriorchis buergeri*²¹

Chestnut-shouldered Goshawk
Indonesia, Papua New Guinea

*Spilornis kinabaluensis*²¹

Mountain Serpent-eagle
Brunei, Indonesia, Malaysia

Order GALLIFORMES

Family PHASIANIDAE

*Francolinus nahani*²¹

Nahan's Francolin
Uganda, Zaire

Order GRUIFORMES

Family RALLIDAE

*Coturnicops notatus*²¹

Speckled Crane
Argentina, Brazil, Colombia,
Guyana, Paraguay, Uruguay,
Venezuela

*Megacrex inepta*²¹

New Guinea Flightless Rail
Indonesia, Papua New Guinea

*Rallina leucospila*²¹

White-striped Forest-rail
Indonesia

*Rallina mayri*²¹

Mayr's Forest-rail
Indonesia, Papua New Guinea

Order CUCULIFORMES

Family CUCULIDAE

*Cacamantis heinrichi*²¹

Moluccan Cuckoo
Indonesia

*Chrysococcyx rufomerus*²¹

Green-cheeked Bronze-cuckoo
Indonesia

Order STRIGIFORMES

Family TYTONIDAE

*Tyto inexpectata*²¹

Minahassa Masked-owl
Indonesia

*Tyto sororcula*²¹

Lesser Masked-owl
Indonesia

Family STRIGIDAE

*Uroglaux dimorpha*²¹

Papuan Hawk-owl
Indonesia, Papua New Guinea

Order CAPRIMULGIFORMES

Family PODARGIDAE

*Batrachostomus auritus*²¹

Large Frogmouth
Brunei, Indonesia, Malaysia,
Thailand

*Batrachostomus harterti*²¹

Dulit Frogmouth
Indonesia, Malaysia

*Batrachostomus mixtus*²¹

Bornean Frogmouth
Indonesia, Malaysia

*Batrachostomus poliophilopus*²¹

Short-tailed Frogmouth
Indonesia

Family CAPRIMULGIDAE

*Caprimulgus maculosus*²¹

Cayenne Nightjar
French Guiana

*Caprimulgus pulchellus*²¹

Salvadori's Nightjar
Indonesia

Order APODIFORMES

Family APODIDAE

*Apus sladeniae*²¹

Fernando Po Swift
Angola, Cameroon, Equatorial
Guinea, Nigeria

*Collocalia orientalis*²¹

Mayr's Swiftlet
Papua New Guinea, Solomon Islands

*Cypseloides storeri*²¹

White-fronted Swift
Mexico

Family TROCHILIDAE

*Popelairia letitia*²¹

Coppery Thorntail
Bolivia?

Order CORACIIFORMES

Family ALCEDINIDAE

*Clytoceyx rex*²¹

Shovel-billed Kookaburra
Indonesia, Papua New Guinea

*Tanysiptera hydrocharis*²¹

Little Paradise-kingfisher
Indonesia, Papua New Guinea

Order PASSERIFORMES

Family FORMICARIIDAE

*Clytactantes atrogularis*²¹

Rondônia Bushbird
Brazil

*Pithys castanea*²¹

White-masked Antbird
Peru

Family HIRUNDINIDAE

*Progne sinaloae*²¹

Sinaloa Martin
Mexico

Family PYCNONOTIDAE

*Pycnonotus nieuwenhuisii*²¹

Blue-wattled Bulbul
Brunei, Indonesia

Family MUSCICAPIDAE

*Androphobus viridis*²¹

Papuan Whipbird
Indonesia, Papua New Guinea

*Apalis kaboboensis*²¹

Kabobo Apalis
Zaire

*Batis minima*²¹

Gabon Batis
Cameroon, Gabon

*Bradypterus grandis*²¹

Dja River Warbler
Cameroon, Gabon

*Cisticola restrictus*²¹

Tana River Cisticola
Kenya, Somalia?

*Garrulax austeni*²¹

Brown-capped Laughingthrush
India, Myanmar

*Malurus campbelli*²¹

Campbell's Fairywren
Papua New Guinea

*Megalurulus grosvenori*²¹

Bismarck Thicketbird
Papua New Guinea

*Megalurulus llanae*²¹

Bougainville Thicketbird
Papua New Guinea



*Monarcha menckei*²¹
White-breasted Monarch
Papua New Guinea

*Muscicapa segregata*²¹
Sumba Brown Flycatcher
Indonesia

*Petroica archboldi*²¹
Snow Mountain Robin
Indonesia

*Poecilodryas placens*²¹
Olive-yellow Robin
Indonesia, Papua New Guinea

*Prinia fluviatilis*²¹
River Prinia
Cameroon, Chad, Mali, Niger,
Senegal

*Rhipidura matthiae*²¹
Matthias Fantail
Papua New Guinea

*Zoothera dumasi*²¹
Moluccan Thrush
Indonesia

Family DICAEDAE

*Melanocharis arfakiana*²¹
Obscure Berrypecker
Indonesia, Papua New Guinea

Family ZOSTEROPIDAE

*Zosterops meeki*²¹
White-throated White-eye
Papua New Guinea

Family MELIPHAGIDAE

*Lichmera notabilis*²¹
Black-chested Honeyeater
Indonesia

*Meliphaga vicina*²¹
Tagula Honeyeater
Papua New Guinea

*Myzomela albigula*²¹
White-chinned Myzomela
Papua New Guinea

*Myzomela kuehni*²¹
Crimson-hooded Myzomela
Indonesia

*Philemon brassi*²¹
Brass's Friarbird
Indonesia

*Philemon fuscicapillus*²¹
Dusky Friarbird
Indonesia

*Philemon kisserensis*²¹
Grey Friarbird
Indonesia

Family FRINGILLIDAE

*Carpodacus roborowskii*²¹
Tibetan Rosefinch
China

*Leucosticte sillemi*²¹
Sillem's Mountain-finch
China

*Loxia scotica*²¹
Scottish Crossbill
United Kingdom

Family PLOCEIDAE

*Ploceus victoriae*²¹
Entebbe Weaver
Uganda

Family ORIOLIDAE

*Sphecotheres hypoleucus*²¹
Wetar Figbird
Indonesia

Family CRACTICIDAE

*Cracticus louisianensis*²¹
Tagula Butcherbird
Papua New Guinea

Family PARADISAEIDAE

*Loboparadisea sericea*²¹
Yellow-breasted Bird-of-paradise
Indonesia, Papua New Guinea

Class REPTILIA

Order CROCODYLIA

Family CROCODYLIDAE

*Crocodylus cataphractus*⁵⁵
African Slender-snouted Crocodile
Angola, Benin, Burkina Faso,
Cameroon, Central African Republic,
Chad, Congo, Côte d'Ivoire,
Equatorial Guinea, Gabon, Gambia
(ex?), Ghana, Guinea, Guinea-Bissau
(ex?), Liberia, Mali, Mauritania,
Nigeria, Senegal (ex?), Sierra Leone,
Tanzania, Togo, Zaïre, Zambia

*Crocodylus moreletii*⁵⁵
Morelet's Crocodile
Belize, Guatemala, Mexico

*Tomistoma schlegelii*⁵⁵
False Gharial
Indonesia, Malaysia, Myanmar?,
Thailand (ex?)

Order SAURIA

Family AGAMIDAE

*Gonocephalus abbotti*¹⁸⁵
Abbott's Crested Lizard
Thailand

*Hydrosaurus pustulatus*¹⁸⁵
Sail-fin Lizard
Philippines

Family ANGUIDAE

*Celestus duquesneyi*⁷⁴
Jamaica

*Celestus fowleri*⁷⁴
Jamaica

*Celestus microblepharis*⁷⁴
Jamaica

Family GEKKONIDAE

*Phyllodactylus melanostictus*¹⁸⁵
Scarce Ground Gecko
Thailand

*Phyllodactylus peringueyi*¹⁸⁵
Peringueyi's Leaf-toed Gecko
South Africa?

Family IGUANIDAE

*Liolaemus constanzae*¹⁸⁵
Chile

*Liolaemus curisi*¹⁸⁵
Chile

*Liolaemus donosoii*¹⁸⁵
Chile

*Liolaemus fuscus*¹⁸⁵
Argentina, Chile

*Liolaemus gravenhorsti*¹⁸⁵
Chile

*Liolaemus hellmichi*¹⁸⁵
Chile

*Liolaemus kuhlmanni*¹⁸⁵
Chile

*Liolaemus lemniscatus*¹⁸⁵
Argentina, Chile

*Liolaemus leopardinus*¹⁸⁵
Chile

*Liolaemus lorenzmuelleri*¹⁸⁵
Chile

*Liolaemus lutzae*¹⁸⁵
Brazil

*Liolaemus nitidus*¹⁸⁵
Chile

*Liolaemus paulinae*¹⁸⁵
Chile

*Liolaemus walkeri*¹⁸⁵
Chile

*Liolaemus zapallarensis*¹⁸⁵
Chile

*Pristidactylus alvaroi*¹⁸⁵
Chile

*Pristidactylus valeriae*¹⁸⁵
Chile

*Tropidurus tarapacensis*¹⁸⁵
Chile

Family LACERTIDAE

*Lacerta alpina*⁶⁵
Georgia, Russia

Family SCINCIDAE

*Barkudia insularis*¹⁸⁵
Legless Skink
India

*Isopachys gyldenstolpei*¹⁸⁵
Gyldenstolpe's Worm Skink
Thailand

*Lygosoma haroldyoungi*¹⁸⁵
Banded Supple Skink
Thailand

*Lygosoma koratense*¹⁸⁵
Korat Supple Skink
Thailand

*Oligosoma gracilicorpus*¹⁴
Narrow-bodied Skink
New Zealand

*Phoboscincus bocourti*¹⁴
New Caledonia

*Tribalonotus ponceleti*¹⁴
Solomon Islands

Family TEIIDAE

*Callopiastes maculatus*¹⁸⁵
Chile

*Cnemidophorus hyperythrus*¹⁸⁵
Orange-throated Whiptail
Mexico, USA

Order SERPENTES

Family ANILIIDAE

*Anamochilus leonardi*¹⁸⁵
Leonard's Pipe Snake
Malaysia

Family COLUBRIDAE

*Calamaria pfefferi*¹⁸⁵
Pfeffer's Reed Snake
Japan

*Elachistodon westermanni*¹⁸⁵
Indian Egg-eating Snake
Bangladesh, India, Nepal

*Elaphe situla*⁶⁵
Leopard Snake
Albania, Bulgaria, Greece, Italy,
Malta, Turkey, Ukraine, Yugoslavia

*Oligodon nikhili*¹⁸⁵
India

*Opisthotropis spenceri*¹⁸⁵
Smith's Mountain Keelback
Thailand

*Parahelicops boonsongi*¹⁸⁵
Boonsong's Keelback
Thailand

*Pareas iwasakii*¹⁸⁵
Iwasaki's Snail-eater
Japan (Nansei-shoto)

*Philodryas chamissonis*¹⁸⁵
Chile

*Thamnophis hammondi*¹⁵
Two-striped Garter Snake
Mexico, USA

*Xenocalamus transvaalensis*¹⁸⁵
Transvaal Quillsnout Snake
Mozambique, South Africa

Family ELAPIDAE

*Naja oxiana*¹⁸⁶
Central Asian Cobra
Afghanistan, India, Iran,
Kyrgyzstan?, Pakistan, Tajikistan,
Turkmenistan, Uzbekistan

Family VIPERIDAE

*Trimeresurus cornutus*¹⁸⁵
Viet Nam

Order TESTUDINES

Family CHELIDAE

*Chelodina reimanni*¹⁷⁶
Reimann's Snake-necked Turtle
Indonesia, Papua New Guinea

*Elseya sp. 2*¹⁷⁶
Manning River Snapping Turtle
Australia

*Elseya sp. 3*¹⁷⁶
Bellinger River Snapping Turtle
Australia

Family EMYDIDAE

*Chinemys nigricans*¹⁷⁶
Red-necked Pond Turtle
China, Viet Nam?

*Cuora aurocapitata*¹⁷⁶
Yellow-headed Box Turtle
China

*Cuora mccordi*¹⁷⁶
McCord's Box Turtle
China

*Cuora pani*¹⁷⁶
Pan's Box Turtle
China

*Cuora yunnanensis*¹⁷⁶
Yunnan Box Turtle
China

*Cuora zhuai*¹⁷⁶
Zhou's Box Turtle
China

*Geoemyda yuwonoi*¹⁷⁶
Sulawesi Forest Turtle
Indonesia

*Kachuga sylhetensis*¹⁷⁶
Assam Roofed Turtle
Bangladesh, India

*Mauremys iversoni*¹⁷⁶
Fujian Pond Turtle
China

*Melanochelys trijuga*¹⁷⁶
Indian Black Turtle
Bangladesh, British Indian Ocean
Territory, India, Maldives, Myanmar,
Nepal, Sri Lanka

*Notochelys platynota*¹⁷⁶
Malayan Flat-shelled Turtle
Brunei, Indonesia, Malaysia,
Myanmar?, Thailand, Viet Nam

*Ocadia glyphistoma*¹⁷⁶
China

*Ocadia philippeni*¹⁷⁶
Philippen's Striped Turtle
China

*Sacalia pseudocellata*¹⁷⁶
Chinese False-eyed Turtle
China

*Terrapene nelsoni*¹⁷⁶
Spotted Box Turtle
Mexico

Family PELOMEDUSIDAE

*Pelusius upembae*¹⁷⁶
Upemba Mud Turtle
Zaire

Family PLATYSTERNIDAE

*Platysternon megacephalum*¹⁷⁶
Big-headed Turtle
China, Laos, Myanmar, Thailand,
Viet Nam

Family TESTUDINIDAE

*Kinixys erosa*¹⁷⁶
Serrated Hinge-back Tortoise
Angola, Benin, Cameroon, Central
African Republic, Congo, Côte
d'Ivoire, Equatorial Guinea, Gabon,
Gambia, Ghana, Guinea, Liberia,
Nigeria, Rwanda?, Sierra Leone,
Togo?, Uganda, Zaire

*Kinixys homeana*¹⁷⁶
Home's Hinge-back Tortoise
Benin?, Cameroon, Côte d'Ivoire,
Equatorial Guinea, Ghana, Guinea,
Liberia, Nigeria, Togo?

Family TRIONYCHIDAE

*Lissemys scutata*¹⁷⁶
Burmese Flapshell Turtle
Myanmar

Class **AMPHIBIA**Order **ANURA**Family **BUFONIDAE**

*Bufo atacamensis*¹⁸⁵
Chile

*Bufo chilensis*¹⁸⁵
Chile

Family **HYLIDAE**

*Hyla albolineata*¹⁸⁵
Brazil

*Hyla izecksohni*¹⁸⁵
Brazil

*Hyla langei*¹⁸⁵
Brazil

*Hyla secedens*¹⁸⁵
Brazil

*Phrynomedusa fimbriata*¹⁸⁵
Brazil

Family **LEPTODACTYLIDAE**

*Alsodes barrioi*¹⁸⁵
Chile

*Alsodes montanus*¹⁸⁵
Chile

*Alsodes nodosus*¹⁸⁵
Chile

*Alsodes tumultuosos*¹⁸⁵
Chile

*Alsodes vanzolinii*¹⁸⁵
Chile

*Caudiverbera caudiverbera*¹⁸⁵
Chile

*Eleutherodactylus eneidae*¹⁸⁵
Puerto Rico

*Eleutherodactylus jasperi*¹⁸⁵
Golden Coqui Frog
Puerto Rico

*Eleutherodactylus semipalmatus*¹⁸⁵
Haiti

*Eupsophus insularis*¹⁸⁵
Chile

*Leptodactylus marambaiae*¹⁸⁵
Brazil

*Telmatobius halli*¹⁸⁵
Chile

*Telmatobius pefauri*¹⁸⁵
Chile

*Telmatobius peruvianus*¹⁸⁵
Chile

*Telmatobius zapahuirensis*¹⁸⁵
Chile

*Telmatobufo australis*¹⁸⁵
Chile

*Telmatobufo bullocki*¹⁸⁵
Chile

*Telmatobufo venustus*¹⁸⁵
Chile

Family **MICROHYLIDAE**

*Hyophryne histrio*¹⁸⁵
Brazil

Family **MYOBATRACHIDAE**

*Uperoleia orientalis*¹⁴
Alexandra Toadlet
Australia

Family **RANIDAE**

*Cacosternum poyntoni*¹⁸⁵
Poynton's Caco
South Africa

*Rana aenea*¹⁸⁵
Doichang Frog
Thailand

*Rana fasciculispina*¹⁸⁵
Spiny-breasted Giant Frog
Thailand

*Rana kohchangae*¹⁸⁵
Kohchang Frog
Thailand

*Rana pyrenaica*⁶⁵
Spain

*Rana tasanae*¹⁸⁵
Smith's Wrinkled Frog
Thailand

Family **RHINODERMATIDAE**

*Rhinoderma darwini*¹⁸⁵
Darwin's Toad
Chile

*Rhinoderma rufum*¹⁸⁵
Chile

Order **CAUDATA**Family **CRYPTOBRANCHIDAE**

*Andrias davidianus*¹⁸⁵
Chinese Giant Salamander
China, Taiwan [int]

Family **HYNOBIIDAE**

*Hynobius stejnegeri*¹⁸⁵
Amber-coloured Salamander
Japan

Family **PLETHODONTIDAE**

*Plethodon larselli*⁷⁵
Larch Mountain Salamander
USA

*Typhlotriton spelaeus*⁷⁵
Grotto Salamander
USA

Family **SALAMANDRIDAE**

*Neurergus crocatus*⁶⁵
Turkey

*Neurergus strauchi*⁶⁵
Turkey

*Triturus dobrogicus*⁶⁵
Austria, Bosnia and Herzegovina?,
Bulgaria, Czech Republic, Hungary,
Romania, Russia?, Ukraine?,
Yugoslavia

Class

CEPHALASPIDOMORPHI

Order

PETROMYZONTIFORMESFamily **PETROMYZONTIDAE**

*Eudontomyzon mariae*¹⁸⁵
Ukrainian Brook Lamprey
Austria, Belarus?, Bulgaria, Czech
Republic, Georgia?, Hungary,
Moldova?, Poland, Romania, Russia,
Slovakia, Turkey?, Ukraine,
Yugoslavia

*Lampetra macrostoma*¹⁸⁵
Lake Lamprey
Canada

*Mordacia lapicida*¹⁸⁵
Chile

Class **ELASMOBRANCHII**Order **ORECTOLOBIFORMES**Family **RHINCODONTIDAE**

*Rhincodon typus*⁶⁸
Whale Shark
[Atlantic (eastern central, southeast,
southwest, western central), Indian
Ocean (eastern, western), Pacific
(eastern central, northwest, southeast,
southwest, western central)]

Order **RAJIFORMES**Family **RAJIDAE**

*Bathyraja abyssicola*⁵¹
Deepsea Skate
[Pacific (northeast, northwest)]

Class ACTINOPTERYGII

Order OSTEOGLOSSIFORMES

Family OSTEOGLOSSIDAE

*Arapaima gigas*¹⁸⁵

Pirarucu
Brazil, Guyana, Peru

Order CLUPEIFORMES

Family CLUPEIDAE

*Alosa alosa*¹⁸⁵

Allis Shad

Algeria, Belgium, Denmark, France,
Germany, Ireland, Italy?, Morocco,
Netherlands, Norway, Poland,
Portugal, Spain, Sweden,
Switzerland (ex), United Kingdom

*Alosa fallax*¹⁸⁵

Twaite Shad

Albania, Algeria, Belgium, Croatia,
Cyprus?, Denmark, Estonia, Finland,
France, Germany, Gibraltar?,
Greece, Ireland, Israel?, Italy, Latvia,
Lebanon?, Lithuania, Malta?,
Morocco, Netherlands, Norway,
Poland, Portugal, Russia, Spain,
Sweden, Switzerland, Syria?,
Tunisia, Turkey, United Kingdom,
Yugoslavia

*Alosa maeotica*¹⁸⁵

Bulgaria, Georgia, Moldova?,
Romania, Russia, Turkey, Ukraine

*Alosa pontica*¹⁸⁵

Azerbaijan, Bulgaria, Croatia,
Georgia, Hungary, Iran?,
Kazakhstan?, Moldova, Romania,
Russia, Slovenia?, Turkey,
Turkmenistan, Ukraine, Yugoslavia

*Clupeoides papuensis*⁵

Toothed River Herring

Indonesia, Papua New Guinea

*Clupeonella abrau*¹⁸⁵

Russia, Turkey

*Clupeonella cultriventris*¹⁸⁵

Azerbaijan?, Bulgaria, Georgia,
Iran?, Kazakhstan?, Moldova,
Romania, Russia, Turkey,
Turkmenistan?, Ukraine

Family ENGRAULIDAE

*Thryssa scratchleyi*¹⁷⁹

Freshwater Anchovy
Australia

Order CYPRINIFORMES

Family CYPRINIDAE

*Aaptosyax grypus*¹⁰¹

Laos, Thailand

*Acanthorutilus meandricus*¹⁸⁵

Turkey

*Alburnus heckeli*¹⁸⁵

Turkey

*Aspius aspius*¹⁸⁵

Asp

Afghanistan, Armenia, Austria,
Belarus, Bosnia and Herzegovina,
Bulgaria, Croatia, Czech Republic,
Estonia, Finland, France, Georgia,
Germany, Greece, Hungary, Italy,
Kazakhstan, Latvia, Lithuania,
Macedonia?, Moldova, Poland,
Romania, Slovakia, Slovenia?,
Sweden, Turkey, Turkmenistan,
Ukraine, Uzbekistan?, Yugoslavia

*Barbus albanicus*¹⁸⁵

Albania?, Greece

*Barbus cyclolepis*¹⁸⁵

Armenia?, Azerbaijan?, Georgia?,
Greece, Iran?, Russia?, Turkey?,
Ukraine?

*Barbus graceus*¹⁸⁵

Albania, Greece

*Barbus peloponnesius*¹⁸⁵

Albania?, Greece, Macedonia?

*Capoeta antalyensis*¹⁸⁵

Turkey

*Chalcalburnus chalcoides*¹⁸⁵

Danube Bleak

Austria, Bosnia and Herzegovina?,
Bulgaria, Croatia, Germany,
Hungary, Italy, Romania, Yugoslavia
[R. Danube]

*Chalcalburnus tarichi*¹⁸⁵

Turkey

[L. Van]

*Chondrostoma kneri*¹⁸⁵

Dalmation Nase

Bosnia and Herzegovina?, Croatia

*Chondrostoma phoxinus*¹⁸⁵

Minnow-Nase

Bosnia and Herzegovina?, Croatia

*Cyprinus carpio*¹⁸⁵

Wild Common Carp

Austria, Bulgaria, Croatia, Hungary,
Kazakhstan, Mongolia?, Romania,
Russia, Slovakia, Slovenia,
Turkmenistan?, Ukraine, Uzbekistan,
Yugoslavia

*Danio aequipinnulus*¹³⁴

Sri Lanka

*Garra phillipsi*¹³⁴

Philipps' Garra

Sri Lanka

*Gobio albipinnatus*¹⁸⁵

White-finned Gudgeon

Austria, Bosnia and Herzegovina?,
Bulgaria, Croatia, Czech Republic?,

Hungary, Moldova, Romania,
Russia, Slovakia?, Ukraine,
Yugoslavia

*Gobio kessleri*¹⁸⁵

Kessler's Gudgeon

Austria, Bulgaria, Croatia, Czech
Republic, Hungary, Moldova,
Poland?, Romania, Slovakia,
Slovenia, Ukraine, Yugoslavia

*Gobio uranoscopus*¹⁸⁵

Danube Gudgeon

Austria, Bulgaria, Croatia, Czech
Republic, Germany, Hungary, Italy?,
Romania, Slovakia, Slovenia,
Ukraine, Yugoslavia
[R. Danube]

*Hemitemia flammea*⁷⁵

Flame Chub

USA

*Leucaspis irideus*¹⁸⁵

Turkey

*Leuciscus borysthenicus*¹⁸⁵

Black Sea Chub

Bulgaria, Georgia, Greece?,
Moldova, Romania, Russia, Turkey,
Ukraine

*Leuciscus cephaloides*¹⁸⁵

Turkey

*Notropis hubbsi*⁷⁵

Bluehead Shiner

USA

*Notropis jemezianus*⁷⁵

Rio Grande Shiner

Mexico, USA

*Notropis oxyrhynchus*⁷⁵

Sharpnose Shiner

USA

*Notropis semperasper*⁷⁵

Roughhead Shiner

USA

*Notropis welaka*⁷⁵

Bluenose Shiner

USA

*Pachychilon macedonicus*¹⁸⁵

Greece

*Paraphoxinus adspersus*¹⁸⁵

Croatia

*Paraphoxinus epiroticus*¹⁸⁵

Albania, Greece, Macedonia

*Paraphoxinus minutus*¹⁸⁵

Albania

*Paraphoxinus pstrossi*¹⁸⁵

Albania, Croatia

[R. Trebisnjica]

*Pelecus cultratus*¹⁸⁵

Ziege

Austria, Azerbaijan?, Bulgaria,
Croatia, Czech Republic, Denmark,
Estonia, Finland, Georgia?,



- Germany, Hungary, Kazakhstan, Latvia, Lithuania, Moldova, Poland, Romania, Russia, Slovakia, Sweden, Turkey, Turkmenistan, Ukraine, Yugoslavia
- Phoxinellus crassus***¹⁸⁵
Turkey
- Phoxinus phoxinus***¹⁸⁵
Swamp Minnow
Belarus, Estonia, Germany, Latvia, Lithuania, Poland, Russia, Ukraine
- Probarbus labeamajor***¹⁰¹
Cambodia, Laos, Thailand
- Probarbus labeaminor***¹⁰¹
Laos, Thailand
- Pseudophoxinus irideus***¹⁸⁵
Turkey
- Puntius cataractae***¹⁸⁵
Philippines
[L. Lanao]
- Rutilus frisii***¹⁸⁵
Black Sea Roach
Armenia, Azerbaijan, Bulgaria, Georgia, Iran?, Kazakhstan?, Moldova, Romania, Russia, Turkey, Ukraine
- Rutilus pigus***¹⁸⁵
Danube Roach
Austria, Bulgaria, Czech Republic, Germany, Hungary, Italy, Romania, Slovenia, Ukraine?
[R. Danube]
- Rutilus ylikiensis***¹⁸⁵
Greece
- Scardinius racovitzai***¹⁸⁵
Turkey
- Semotilus lumbee***⁷⁵
Sandhills Chub
USA
- Tropidophoxinellus hellenicus***¹⁸⁵
Greece
- Tropidophoxinellus spartiaticus***¹⁸⁵
Greece
- Tylognathus klatti***¹⁸⁵
Turkey
- Family **COBITIDAE**
- Cobitis elongata***¹⁸⁵
Balkan Loach
Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Hungary, Romania, Slovenia, Turkey, Yugoslavia
- Cobitis hellenica***¹⁸⁵
Greece
- Cobitis marroccana***¹⁰¹
Morocco
- Cobitis megaspila***¹⁸⁵
Bulgaria?, Moldova?, Romania
- Cobitis romanica***¹⁸⁵
Romanian Loach
Bulgaria?, Romania
- Cobitis stephanidisi***¹⁸⁵
Greece
- Cobitis strumicae***¹⁸⁵
Greece
- Cobitis trichonica***¹⁸⁵
Greece
- Cobitis vardarensis***¹⁸⁵
Greece
- Leptobotia curta***¹⁰¹
Ayumodoki
China, Japan
- Sabanjewia aurata***¹⁸⁵
Goldside Loach
Albania, Armenia, Austria, Azerbaijan, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Greece, Hungary, Iran, Moldova, Romania, Russia, Slovakia, Slovenia, Turkey, Ukraine, Yugoslavia
- Family **BALITORIDAE**
- Barbatula brandti***¹⁰¹
Georgia, Turkey
- Barbatula bureschi***¹⁰¹
Greece, Turkey
- Barbatula pulsiz***¹⁸⁵
Turkey
- Indoreonectes evezardi***¹⁸⁵
India
- Nemacheilus angorae***¹⁸⁵
Israel, Jordan, Lebanon, Syria, Turkey
- Nemacheilus lendi***¹⁸⁵
Turkey
- Troglocobitis starostini***¹⁸⁵
Turkmenistan
- Turcinemacheilus kosswigi***¹⁸⁵
Turkey
- Family **CATOSTOMIDAE**
- Moxostoma congestum***⁷⁵
Gray Redhorse
Mexico, USA
- Scartomyzon ariomus***⁷⁵
Bigeye Jumprock
USA
- Order **CHARACIFORMES**
- Family **CHARACIDAE**
- Cotabasis acuminatus***¹⁸⁵
Brazil
- Cheirodon australe***¹⁸⁵
Chile
- Cheirodon galusdae***¹⁸⁵
Chile
- Cheirodon kiliani***¹⁸⁵
Chile
- Cheirodon pisciculus***¹⁸⁵
Chile
- Stygichthys typhlops***¹⁸⁵
Brazil
- Order **SILURIFORMES**
- Family **DIPLOMYSTIDAE**
- Diplomystes camposensis***¹⁸⁵
Chile
- Diplomystes nahuelbutensis***¹⁸⁵
Chile
- Family **ICTALURIDAE**
- Ictalurus australis***⁴⁹
Bagre del Panuco
Mexico
- Ictalurus lupus***⁷⁵
Bagre Lobo
Mexico, USA
- Noturus furiosus***⁷⁵
Carolina Madtom
USA
- Family **BAGRIDAE**
- Austroglanis sclateri***¹⁵⁸
Rock-catfish
South Africa
- Pardiglanis tarabinii***¹⁸⁵
Giant Catfish
Somalia
[R. Jubba]
- Family **SILURIDAE**
- Siluris aristotelis***¹⁸⁵
Aristotle's Catfish
Greece
- Silurus furness***¹⁸⁵
Malaysia
- Family **PANGASIIDAE**
- Pangasius sanitwongsei***¹⁰¹
Pla Thepa
Cambodia, Laos, Thailand, Viet Nam
- Family **ARIIDAE**
- Ancharius brevibarbus***¹⁶⁸
Vaona
Madagascar
- Ancharius fuscus***¹⁶⁸
Vaona
Madagascar

- Arius taylori*⁵
Taylor's Catfish
Indonesia, Papua New Guinea
- Cinetodus froggatti*¹⁷⁹
Froggatt's Catfish
Australia
- Tetranesodon conorhynchus*⁵
Lorentz Catfish
Indonesia
- Family **PIMELODIDAE**
- Caecorhamdella brasiliensis*¹⁸⁵
Brazil
- Pimelodella kronei*¹⁸⁵
Brazil
- Family **TRICHOMYCTERIDAE**
- Bullockia maldonadoi*¹⁸⁵
Chile
- Eremophilus mutisii*¹⁸⁵
Colombia
- Nematogenys inermis*¹⁸⁵
Chile
- Phreatobius cisternatum*¹⁸⁵
Brazil
- Trichomycterus areolatus*¹⁸⁵
Chile
- Trichomycterus chaberti*¹⁸⁵
Bolivia
- Trichomycterus chiltoni*¹⁸⁵
Chile
- Order **SALMONIFORMES**
- Family **OSMERIDAE**
- Osmerus eperlanus*¹⁸⁵
Smelt
Belgium, Denmark, Estonia, Finland, France, Germany, Ireland, Latvia, Lithuania, Netherlands, Norway, Poland, Russia, Spain, Sweden, United Kingdom
- Osmerus spectrum*⁷⁵
Pygmy Smelt
Canada, USA
- Family **GALAXIIDAE**
- Aplochiton marinus*¹⁸⁵
Chile
- Brachygalaxias bullocki*¹⁸⁵
Chile
- Brachygalaxias gothei*¹⁸⁵
Chile
- Galaxias globiceps*¹⁸⁵
Chile
- Galaxias parvus*¹⁷⁹
Swamp Galaxias
Australia
- Neochanna diversus*¹⁸⁵
Black Mudfish
New Zealand
- Family **SALMONIDAE**
- Coregonus albula*¹⁸⁵
Vendace
Belarus?, Czech Republic [int], Denmark, Estonia, Finland, France [int], Germany, Ireland, Latvia, Lithuania, Norway, Poland, Russia, Slovakia [int], Sweden, United Kingdom
- Coregonus baunti*¹⁰¹
Russia
- Coregonus lavaretus*¹⁸⁵
Austria, Belarus?, Czech Republic, Denmark, Estonia, Finland, France, Germany, Latvia, Lithuania, Norway, Poland, Romania, Russia, Sweden, Switzerland, Ukraine, United Kingdom
- Coregonus nasus*¹⁸⁵
Large Bottom Whitefish
Austria, Canada, Denmark, Estonia, Finland, Germany, Latvia, Lithuania, Poland, Russia, Sweden, Switzerland, USA
- Coregonus oxyrinchus*¹⁸⁵
Houting
Belgium, Denmark, Estonia, Finland, Germany, Ireland, Latvia, Lithuania, Luxembourg?, Netherlands, Norway, Poland, Russia, Sweden, United Kingdom
- Coregonus peled*¹⁸⁵
Northern Whitefish
Finland, Russia, Sweden
- Coregonus pidschian*¹⁸⁵
Bottom Whitefish
Canada, Finland, Russia, Sweden, USA
- Coregonus trybomi*¹⁰¹
Finland, Sweden
- Oncorhynchus iwame*¹⁰¹
Iwame Trout
Japan
- Salmo dentex*¹⁸⁵
Croatia, Yugoslavia
- Salmo marmoratus*¹⁸⁵
Albania, Croatia, Italy, Slovenia, Yugoslavia
- Salmo montenegrinus*¹⁸⁵
Albania, Yugoslavia
- Salvelinus anaktuvukensis*⁷⁵
Angayukaksurak Char
USA
- Stenodus leucichthys*¹⁸⁵
Azerbaijan, Canada, Kazakhstan, Russia, Turkmenistan, USA
- Order **OPHIDIIFORMES**
- Family **BYTHITIDAE**
- Ogilbia galapagosensis*¹⁸⁵
Ecuador (Galápagos Is)
- Order **ATHERINIFORMES**
- Family **ATHERINIDAE**
- Atherina boyeri*¹⁸⁵
Albania, Algeria, Croatia, Cyprus?, Egypt, France, Greece, Israel, Italy, Lebanon, Libya, Malta, Morocco, Slovenia?, Spain, Syria, Tunisia, Turkey, Yugoslavia
- Austronemidia gracilis*¹⁸⁵
Chile
- Basilichthys microlepidotus*¹⁸⁵
Chile
- Bedotia geayi*¹⁶⁸
Zona
Madagascar
- Bedotia longianalis*¹⁶⁸
Zona
Madagascar
- Bedotia madagascariensis*¹⁶⁸
Zona
Madagascar
- Chilatherina bulolo*¹⁸⁵
Bulolo Rainbowfish
Papua New Guinea
- Chirostoma regani*⁴⁹
Charal del Valle de Mexico
Mexico
- Craterocephalus marianae*¹⁸⁵
Magela Hardyhead
Australia
- Craterocephalus pimatuae*⁵
Pima Hardyhead
Papua New Guinea
- Glossolepis pseudoincisus*⁵
Tami River Rainbowfish
Indonesia, Papua New Guinea
- Glossolepis ramuensis*¹⁸⁵
Ramu Rainbowfish
Papua New Guinea
- Melanotaenia ajamaruensis*⁵
Ajamaru Lakes Rainbowfish
Indonesia
- Melanotaenia angfa*⁵
Yakati Rainbowfish
Indonesia
- Melanotaenia corona*⁵
Corona Rainbowfish
Indonesia
- Melanotaenia exquisita*¹⁸⁵
Exquisite Rainbowfish
Australia



*Melanotaenia herbertaxelrodi*⁵
Lake Tebera Rainbowfish
Papua New Guinea

*Melanotaenia monticola*¹⁸⁵
Mountain Rainbowfish
Papua New Guinea

*Melanotaenia ogilbyi*¹⁸⁵
Ogilby's Rainbowfish
Indonesia

*Melanotaenia pimanensis*¹⁸⁵
Pima River Rainbowfish
Papua New Guinea

*Melanotaenia praecox*⁵
Dwarf Rainbowfish
Indonesia

*Melanotaenia sextilineata*⁵
Fly River Rainbowfish
Indonesia, Papua New Guinea

*Melanotaenia vanheurni*¹⁸⁵
Van Heurn's Rainbowfish
Indonesia

*Poblana ferdebueni*⁴⁹
Mexico

*Pseudomugil paskai*⁵
Paska's Blue-Eye
Indonesia, Papua New Guinea

*Rheocles lateralis*¹⁶⁸
Zona
Madagascar
[R. Nosivolo]

*Rheocles pellegrini*¹⁶⁸
Zona
Madagascar

*Teramulus kieneri*¹⁶⁸
Vily
Madagascar

Order CYPRINODONTIFORMES

Family APLOCHEILIDAE

*Rivulus robustus*⁴⁹
Rivulus Almirante
Mexico

Family CYPRINODONTIDAE

*Aphanius fasciatus*¹⁸⁵
South European Toothcarp
Albania, Algeria, Croatia, Cyprus,
Egypt, France, Germany, Israel,
Italy, Lebanon, Libya?, Malta?,
Morocco, Slovenia, Syria, Tunisia,
Turkey, Yugoslavia

*Aphanius iberus*¹⁸⁵
Spanish Toothcarp
Algeria, Morocco?, Spain, Tunisia?

*Kosswigichthys asquamatus*¹⁸⁵
Scaleless Killifish
Turkey

*Orestias cuvieri*¹⁸⁵
Bolivia, Peru
[L. Titicaca]

*Orestias parinacotensis*¹⁸⁵
Chile
[R. Lauca]

Family POECILIIDAE

*Gambusia aestiputeus*¹⁸⁵
Colombia (San Andrés Id)

*Gambusia speciosa*⁷⁵
USA

*Poecilia vetiprovidentiae*¹⁸⁵
Colombia (Isla de Providencia)

*Poeciliopsis monacha*⁴⁹
Mexico

*Xiphophorus clemenciae*⁴⁹
Espada de Clemencia
Mexico

Order BELONIFORMES

Family HEMIRAMPHIDAE

*Nomorampus celebensis*¹⁰¹
Poso Halfbeak
Indonesia
[L. Poso]

*Zenarchopterus alleni*⁵
Allen's River Garfish
Indonesia

Order GASTEROSTEIFORMES

Family PEGASIDAE

*Eurypegasis draconis*¹⁷⁸
Madagascar
[Indian Ocean (eastern, western),
Pacific (northwest, western central)]

*Eurypegasis papilio*¹⁷⁸
USA (Hawaiian Is)
[Pacific (eastern central)]

*Pegasus lancifer*¹⁷⁸
Australia
[Indian Ocean (eastern)]

*Pegasus volitans*¹⁷⁸
[Indian Ocean (eastern, western),
Pacific (northwest, southwest,
western central)]

Order SYNGNATHIFORMES

Family SYNGNATHIDAE

*Doryrhamphus dactyliophorus*¹⁷⁸
Banded Pipefish
[Indian Ocean (eastern, western),
Pacific (northwest, western central)]

*Hippocampus bargibanti*¹⁷⁸
Australia, New Caledonia
[Pacific (western central)]

*Hippocampus breviceps*¹⁷⁸
Short-headed Seahorse
Australia
[Indian Ocean (eastern), Pacific
(southwest)]

*Hippocampus minotaur*¹⁷⁸
Australia
[Indian Ocean (eastern), Pacific
(southwest)]

*Microphis caudocarinatus*⁵
Slender Pipefish
Indonesia

*Microphis spinachoides*⁵
Spinach Pipefish
Papua New Guinea

*Phycodorus eques*¹⁷⁸
Leafy Seadragon
Australia
[Indian Ocean (eastern)]

*Phyllopteryx taeniolatus*¹⁷⁸
Weedy Seadragon
Australia
[Indian Ocean (eastern), Pacific
(southwest)]

*Syngnathoides biaculeatus*¹⁷⁸
Double-ended Pipefish
[Indian Ocean (eastern, western),
Pacific (northwest, southwest,
western central)]

*Syngnathus abaster*¹⁸⁵
Albania, Algeria, Croatia, Cyprus,
Egypt, France, Greece, Israel, Italy,
Lebanon, Libya, Malta, Morocco,
Saudi Arabia, Slovenia?, Spain,
Sudan?, Syria, Tunisia, Turkey,
Yugoslavia

*Syngnathus nigrolineatus*¹⁸⁵
Azerbaijan, Bulgaria, Georgia, Iran,
Kazakhstan, Moldova, Romania,
Russia, Turkey, Turkmenistan,
Ukraine

Order SYNBRANCHIFORMES

Family SYNBRANCHIDAE

*Monopterus indicus*¹⁸⁵
India

*Ophisternon candidum*¹⁷⁹
Blind Cave Eel
Australia

*Typhlosynbranchus boueti*¹⁸⁵
Liberia

Family MASTACEMBELIDAE

*Macrogathus aral*¹⁰¹
Spiny Eel
India, Nepal, Pakistan, Sri Lanka (ex)

Order SCORPAENIFORMES

Family COTTIDAE

*Cottus princeps*⁷⁵
Klamath Lake Sculpin
USA

*Cottus tenuis*⁷⁵
Slender Sculpin
USA

Order PERCIFORMES

Family AMBASSIDAE

*Ambassis agassizi*¹⁸⁵
Agassiz's Perchlet
Australia

*Parambassis altipinnis*⁵
High-Finned Glass Perchlet
Indonesia

*Tetracentrum caudovittatus*⁵
Kokoda Glass Perchlet
Papua New Guinea

Family PERCICHTHYIDAE

*Macquaria australasica*¹⁷⁹
Macquarie Perch
Australia

*Nannatherina balstoni*¹⁸⁵
Balston's Pygmy Perch
Australia

*Percichthys melanops*¹⁸⁵
Chile

*Percilia gillissi*¹⁸⁵
Chile

*Percilla irwini*¹⁸⁵
Chile

Family SERRANIDAE

*Epinephelus exsul*⁹¹
Ten-spine Grouper
[Pacific (eastern central)]

*Mycteroperca rubra*⁹¹
Comb Grouper
[Atlantic (eastern central),
Mediterranean and Black Sea]

Family TERAPONTIDAE

*Hannia greenwayi*¹⁷⁹
Greenway's Grunter
Australia

*Hephaestus obtusifrons*¹⁸⁵
Striped Grunter
Indonesia, Papua New Guinea

*Hephaestus trimaculatus*⁵
Threespot Grunter
Papua New Guinea

*Scortum hilli*¹⁷⁹
Leathery Grunter
Australia

*Scortum parviceps*¹⁷⁹
Small-Headed Grunter
Australia

Family CENTRARCHIDAE

*Micropterus treculi*⁷⁵
Guadalupe Bass
USA

Family PERCIDAE

*Etheostoma mariae*⁷⁵
Pinewoods Darter
USA

*Gymnocephalus acerina*¹⁸⁵
Belarus?, Hungary?, Moldova,
Poland?, Russia, Slovakia?, Ukraine

*Gymnocephalus baloni*¹⁸⁵
Balon's Ruffe
Austria, Bulgaria?, Czech Republic,
Germany, Hungary, Moldova?,
Romania, Slovakia, Yugoslavia
[R. Danube]

*Perca schrenki*¹⁰¹
Balkhash Perch
China, Kazakhstan, Kyrgyzstan?

*Stizostedion marinum*¹⁸⁵
Azerbaijan, Bulgaria?, Iran,
Kazakhstan?, Moldova?, Romania?,
Russia?, Turkmenistan, Ukraine

*Stizostedion volgensis*¹⁸⁵
Volga Zander
Austria, Bosnia and Herzegovina,
Bulgaria, Croatia, Hungary,
Moldova, Romania, Russia,
Slovakia, Ukraine, Yugoslavia

Family BLENNIIDAE

*Entomacrodus cadenati*¹⁴⁷
São Tomé & Príncipe
[Atlantic (eastern central)]

Family ELEOTRIDAE

*Bostrichthys aruensis*¹⁸⁵
Island Gudgeon
Indonesia

*Bostrichthys zonatus*⁵
Barred Gudgeon
Indonesia

*Eleotris sandwicensis*⁷⁵
Oopu
USA

*Milyeringa veritas*¹⁷⁹
Blind Gudgeon
Australia

*Oxyeleotris wisselensis*⁵
Paniai Gudgeon
Indonesia

Family GOBIIDAE

*Awaous stamineus*⁷⁵
Oopu Nakea
USA

*Bathygobius burtoni*¹⁴⁷
São Tomé & Príncipe
[Atlantic (eastern central)]

*Benthophiloides braunei*¹⁸⁵
Bulgaria, Romania, Russia?, Ukraine

*Glossogobius hoesei*⁵
Hoese's Goby
Indonesia

*Gobius tigrellus*⁵
Tiger Goby
Indonesia

*Knipowitschia goerneri*¹⁸⁵
Greece

*Knipowitschia milleri*¹⁸⁵
Greece

*Knipowitschia panizzai*¹⁰¹
Albania, Greece, Italy, Yugoslavia

*Lentipes concolor*⁷⁵
Oopu Alamoo
USA (Hawaiian Is)

*Luciogobius albus*¹⁸⁵
Japan

*Luciogobius pallidus*¹⁸⁵
Japan

*Mesogobius batrachocephalus*¹⁸⁵
Bulgaria, Georgia, Romania, Russia,
Turkey, Ukraine

*Neogobius fluviatilis*¹⁸⁵
Bulgaria, Hungary, Moldova,
Romania, Russia, Turkey, Ukraine,
Yugoslavia

*Neogobius gymnotrachelus*¹⁸⁵
Bulgaria, Moldova, Romania,
Russia, Turkey, Ukraine, Yugoslavia

*Neogobius kessleri*¹⁸⁵
Kessler's Goby
Austria, Bosnia and Herzegovina,
Croatia, Czech Republic, Hungary,
Moldova, Romania, Slovakia,
Turkey, Ukraine, Yugoslavia (Serbia)

*Neogobius melanostomus*¹⁸⁵
Bulgaria, Georgia, Moldova?,
Romania, Russia, Turkey, Ukraine

*Neogobius syrman*¹⁸⁵
Bulgaria, Moldova, Romania,
Russia, Ukraine

*Pomatoschistus canestrini*¹⁸⁵
Canestrini's Goby
Albania?, Croatia, Italy, Yugoslavia?

*Schismatogobius deraniyagalai*¹³⁴
Redneck Goby
India, Sri Lanka

*Sicyopterus halei*¹³⁴
Red-tailed Goby
Sri Lanka

*Sicyopus jonklaasi*¹³⁴
Lipstick Goby
Sri Lanka

*Zosterisessor opiocephalus*¹⁸⁵
Albania, Algeria, Croatia, Cyprus,
France, Greece, Italy, Malta,
Morocco, Slovenia, Spain, Tunisia,
Ukraine, Yugoslavia

Family XIPHIIDAE

Xiphias gladius (C)¹⁵¹
Swordfish
[Atlantic (eastern central, northeast,
northwest, western central),
Mediterranean and Black Sea,
Pacific (eastern central, northwest,
southeast, southwest, western
central)]

Family SCOMBRIDAE

Thunnus alalunga (C)¹⁷⁷
Albacore Tuna
[Atlantic (eastern central, northeast,
northwest, southeast, southwest,
western central), Mediterranean and
Black Sea, Pacific (eastern central,
northeast, northwest, western
central)]

Thunnus thynnus (C)¹⁵¹
Northern Bluefin Tuna
[Atlantic (eastern central, northeast,
northwest, southwest, western
central), Mediterranean and Black
Sea, Pacific (eastern central,
northwest)]

Order TETRAODONTIFORMES

Family TETRAODONTIDAE

*Lagocephalus gloveri*¹⁴⁷
[Pacific (western central)]

*Takifugu niphobles*¹⁴⁷
[Pacific (northwest)]

*Takifugu poecilonotus*¹⁴⁷
[Pacific (northwest)]

*Takifugu xanthopterus*¹⁴⁷
[Pacific (northwest)]

*Torguigener brevipinnis*¹⁴⁷
[Pacific (western central)]

Class ARACHNIDA

Order ARANEAE

Family CTENIZIDAE

*Cyclocosmia torreyi*¹⁸⁵
Torrey Trap-door Spider
USA

Family GNAPHOSIDAE

*Cesonia irvingi*¹⁸⁵
Key Gnaphosid Spider
Bahamas, USA

Family GRADUNGULIDAE

*Spelungula cavernicola*¹⁸⁵
Nelson Cave Spider
New Zealand

Family HEXATHELIDAE

*Macrothele cretica*¹⁸⁵
Greece

Family LEPTONETIDAE

*Neoleptoneta myopica*¹⁸⁵
Tooth Cave Spider
USA

Family LYCOSIDAE

*Lycosa ericeticola*¹⁸⁵
Rosemary Wolf Spider
USA

Order PSEUDOSCORPIONIDA

Family NEOBISIIDAE

*Tartarocreagriss texana*¹⁸⁵
Tooth Cave Pseudoscorpion
USA

Class CRUSTACEA

Order ANOSTRACA

Family STREPTOCEPHALIDAE

*Streptocephalus kargesi*⁹⁵
Mexico

Order CALANOIDA

Family DIAPTOMIDAE

*Argyrodiaptomus neglectus*¹⁴⁵
Brazil

*Diaptomus rostripes*¹⁴⁵
Germany

*Eudiaptomus chappuisi*¹⁴⁵
Morocco

*Hemidiaptomus kummerloewei*¹⁴⁵
Turkey
[Pool near L. Ilgaz]

*Idiodiaptomus gracilipes*¹⁴⁵
Brazil
[Pool at Itapura]

*Mastigodiaptomus amatitlanensis*¹⁴⁵
Guatemala
[L. Amatitlan]

*Mastigodiaptomus montezumae*¹⁴⁵
Mexico

*Neurodiaptomus formosus*¹⁴⁵
Japan

*Odontodiaptomus thomsoni*¹⁴⁵
Uruguay
[Pool near L. Chau]

*Onychodiaptomus louisianensis*¹⁴⁵
USA

*Skistodiaptomus bogalensis*¹⁴⁵
USA

*Skistodiaptomus sinuatus*¹⁴⁵
USA

*Spelaediaptomus rouchi*¹⁴⁵
France

*Tropodiaptomus falcatus*¹⁴⁵
Kenya

*Tropodiaptomus madagascariensis*¹⁴⁵
Madagascar

*Tropodiaptomus palustris*¹⁴⁵
Burundi, Zaire

*Tropodiaptomus purpureus*¹⁴⁵
Burundi

*Tropodiaptomus worthingtoni*¹⁴⁵
Uganda, Zaire

Family TEMORIDAE

*Epischura massachusettsensis*¹⁴⁵
USA

Order DECAPODA

Family COENOBITIDAE

*Birgus latro*⁶²
Coconut Crab

American Samoa, Australia, British
Indian Ocean Territory, Christmas
Island, Cook Islands, Federated
States of Micronesia, Fiji, French
Polynesia, Guam, India (Andaman &
Nicobar Is), Indonesia, Japan
(Nansei-shoto, Ogasawara-gunto),
Kiribati, Malaysia, Marshall Islands,
Mauritius (ex), Nauru, New
Caledonia, Niue, Northern
Marianas, Palau, Papua New Guinea,
Philippines, Seychelles, Solomon

Islands, Taiwan, Tanzania, Thailand,
Tokelau, Tonga, Tuvalu, Vanuatu,
Western Samoa

Family PARASTACIDAE

*Astacoides betsileoensis*⁵⁴

Orambanonga
Madagascar

*Astacoides caldwelli*⁵⁴

Madagascar

*Astacoides granulimanus*⁵⁴

Orambato
Madagascar

*Astacoides madagascariensis*⁵⁴

Madagascar Freshwater Crayfish
Madagascar

*Cherax nucifraga*⁵⁴

Australia

*Cherax parvus*⁵⁴

Australia

Order HARPACTICOIDA

Family CANTHOCAMPTIDAE

*Thermomesochra reducta*¹⁴⁵

Malaysia

Order ISOPODA

Family ARMADILLIDAE

*Echinodillo cavaticus*¹⁸⁵

Australia

Order THORACICA

Family BALANIDAE

*Armatobalanus nefrens*¹⁸⁵

USA

*Balanus aquila*¹⁸⁵

USA

Class INSECTA

Order HYMENOPTERA

Family MEGACHILIDAE

*Chalicodoma pluto*¹⁸⁵

Wallace's Giant Bee
Indonesia

Order LEPIDOPTERA

Family HESPERIIDAE

*Dalla octomaculata*¹⁸⁵

Eight-Spotted Skipper
Costa Rica, Panama

Family LASIOCAMPIDAE

*Eriogaster catax*¹⁸⁵

Austria, Belgium, Bulgaria, Czech
Republic, Germany, Hungary, Italy,
Netherlands, Slovakia, Spain,
Yugoslavia

Family LYCAENIDAE

*Poecilmitis pan*⁷⁵

South Africa

Family NYMPHALIDAE

*Hypodryas maturna*¹⁸⁵

Scarce Fritillary
Austria, Belgium, Czech Republic?,
France, Germany, Greece, Hungary,
Kazakhstan?, Lithuania,
Luxembourg, Poland, Romania,
Russia, Sweden, Yugoslavia

*Tirumala alba*¹⁰⁵

China

Family PAPILIONIDAE

*Atrophaneura palu*⁷⁵

Indonesia

*Bhutanitis mansfieldi*⁷⁵

Mansfield's Three-tailed Swallowtail
China

*Graphium aurivilliusi*⁷⁵

Zaire

*Luehdorfia chinensis*⁷⁵

Chinese Luehdorfia
China

*Ornithoptera tithonus*⁷⁵

Indonesia

*Papilio antimachus*⁷⁵

African Giant Swallowtail
Angola, Benin?, Cameroon, Central
African Republic, Congo, Côte
d'Ivoire, Equatorial Guinea, Gabon,
Ghana, Guinea, Liberia, Nigeria,
Rwanda, Sierra Leone, Togo?,
Uganda, Zaire

*Papilio aristor*⁷⁵

Scarce Haitian Swallowtail
Dominican Republic, Haiti

*Papilio caiguanabus*⁷⁵

Poey's Black Swallowtail
Cuba

*Papilio garleppi*⁷⁵

Bolivia, Brazil, French Guiana,
Guyana, Peru, Suriname

*Papilio maroni*⁷⁵

French Guiana

*Papilio morondavana*⁷⁵

Madagascan Emperor Swallowtail
Madagascar

*Parides coelus*⁷⁵

French Guiana

*Parides hahneli*⁷⁵

Hahnel's Amazonian Swallowtail
Brazil

*Parides klagesi*⁷⁵

Venezuela

*Parides pizarro*⁷⁵

Brazil, Peru

*Parides steinbachi*⁷⁵

Bolivia

*Teinopalpus aureus*⁷⁵

Golden Kaiser-I-Hind
China, Viet Nam?

Family SATURNIIDAE

*Graellsia isabelae*¹⁸⁵

Spanish Moon Moth
France, Spain

Family SPHINGIDAE

*Hyles hippophaes*¹⁸⁵

Afghanistan?, Armenia?,
Azerbaijan?, China, France,
Georgia?, Germany, Greece, Iran,
Iraq?, Kazakhstan?, Kyrgyzstan?,
Mongolia, Pakistan?, Romania?,
Spain, Switzerland, Syria,
Tajikistan?, Turkey, Turkmenistan?,
Uzbekistan?, Yugoslavia

*Proserpinus proserpina*¹⁸⁵

Willowherb Hawkmoth
Armenia?, Austria, Azerbaijan?,
Belgium, Bulgaria, France,
Germany, Greece, Hungary, Iran,
Iraq?, Italy, Kazakhstan?, Lebanon,
Morocco, Portugal, Spain,
Switzerland, Syria?, Turkey,
Turkmenistan?, Uzbekistan

Order ODONATA

Family COENAGRIONIDAE

*Aciagrion rarum*¹²³

Angola

*Ceriagrion mourae*¹²³

Mozambique

*Enallagma polychromaticum*¹²³

South Africa

*Pseudagrion quadrioculatum*¹²³

Zaire

Family LIBELLULIDAE

*Aethiothemis watuliki*¹²³

Congo

*Anectothemis apicalis*¹²³

Zaire

*Congothemis longistyla*¹²³

Zaire



*Orthetrum rubens*¹²³
South Africa

*Urothemis luciana*¹²³
South Africa

*Urothemis thomasi*¹²³
Ethiopia, Oman, Saudi Arabia,
Somalia

Family PLATYCNEMIDIDAE

*Metacnemis angusta*¹²³
South Africa

Order ORTHOPTERA

Family GRYLLOTALPIDAE

*Gryllotalpa major*¹²⁵
Prairie Mole Cricket
USA

Family STENOPELMATIDAE

*Deinacrida parva*¹⁸⁵
Kaikoura Weta
New Zealand

Order PLECOPTERA

Family EUSTHENIIDAE

*Eusthenia nothofagi*¹⁸⁵
Otway Stonefly
Australia

Class MEROSTOMATA

Order XIPHOSURA

Family LIMULIDAE

*Carcinoscorpius rotundicauda*¹⁸⁵
Horseshoe Crab
India, Indonesia, Malaysia,
Philippines, Singapore, Thailand

*Tachypleus gigas*¹⁸⁵
Horseshoe Crab
India, Indonesia, Malaysia,
Singapore, Thailand

*Tachypleus tridentatus*¹⁸⁵
Horseshoe Crab
China, Indonesia, Japan, Malaysia,
Philippines, Taiwan, Viet Nam

Class ONYCHOPHORA

Order ONYCHOPHORA

Family PERIPATIDAE

*Mesoperipatus tholloni*¹²²
Congo

Class POLYCHAETA

Order EUNICIDA

Family EUNICIDAE

*Eunice viridis*¹⁸⁵
Palolo Worm
[Pacific (western central)]

Class BIVALVIA

Order OSTREOIDA

Family PECTINIDAE

*Nodipecten magnificus*⁶⁶
Ecuador (Galápagos Is)

Order UNIONOIDA

Family UNIONIDAE

*Alasmidonta marginata*²⁴
Canada, USA

*Alasmidonta varicosa*²⁴
Canada, USA

*Epioblasma florentina*²⁴
USA

*Unio turtoni*¹⁵⁴
France

Class GASTROPODA

Order ARCHAEOGASTROPODA

Family HELICINIDAE

*Ogasawarana arata*¹¹⁵
Japan (Ogasawara-gunto)

*Ogasawarana capsula*¹¹⁵
Japan (Ogasawara-gunto)

*Ogasawarana comes*¹¹⁵
Japan (Ogasawara-gunto)

*Ogasawarana discrepans*¹¹⁵
Japan (Ogasawara-gunto)

*Ogasawarana hirasei*¹¹⁵
Japan (Ogasawara-gunto)

*Ogasawarana microtheca*¹¹⁵
Japan (Ogasawara-gunto)

*Ogasawarana nitida*¹¹⁵
Japan (Ogasawara-gunto)

*Ogasawarana ogasawarana*¹¹⁵
Japan (Ogasawara-gunto)

*Ogasawarana optima*¹¹⁵
Japan (Ogasawara-gunto)

*Sturanyella carolinarum*¹¹⁵
Federated States of Micronesia

*Sturanyella epicharis*¹¹⁵
Federated States of Micronesia

Family HYDROCENIDAE

*Georissa biangulata*¹¹⁵
Guam

*Georissa elegans*¹¹⁵
Guam

*Georissa laevigata*¹¹⁵
Guam

*Georissa rufula*¹¹⁵
Federated States of Micronesia

Family NERITIDAE

*Neritilia hawaiiensis*¹¹⁵
Anchialine Pool Snail
USA (Hawaiian Is)

*Neritina cristata*³³
Cameroon, Côte d'Ivoire, Gabon,
Sierra Leone

*Neritina manoeli*⁷¹
São Tomé & Príncipe (Príncipe)

*Neritina natalensis*³³
Kenya, Mozambique, Somalia, South
Africa, Tanzania

*Theodoxus maresi*³³
Algeria, Morocco

*Theodoxus numidicus*³³
Algeria, Morocco

*Theodoxus transversalis*¹¹⁵
Austria, Bulgaria, Germany,
Hungary, Moldova, Romania,
Slovakia, Ukraine, Yugoslavia?

Family SKENEIDAE

*Teinsotoma fernandesi*⁷¹
São Tomé & Príncipe (Príncipe)

*Teinsotoma funiculatum*⁷¹
São Tomé & Príncipe (Príncipe)

Order BASOMMATOPHORA

Family GLACIDORBIDAE

*Glacidorbis pawpela*¹³⁹
Australia

*Glacidorbis pedderi*¹³⁹
Australia

Family LYMNAEIDAE

*Myxas glutinosa*¹¹⁵
Austria, Belarus, Belgium, Czech
Republic, Estonia, Finland,
Germany, Kazakhstan, Latvia,
Lithuania, Moldova, Netherlands,
Norway, Poland, Russia, Sweden,
Ukraine, United Kingdom

Family **PHYSIDAE**

- Physella natricina*¹¹⁵
Snake River Physa Snail
USA

Family **PLANORBIDAE**

- Camptoceras hirasei*¹¹⁵
Japan
*Camptoceras rezvoji*¹¹⁵
Japan

Order **MESOGASTROPODA**Family **ACICULIDAE**

- Acicula hausdorfi*¹⁵⁴
Greece
*Platyla maaseni*¹⁵⁴
Yugoslavia
*Platyla microspira*¹⁵⁴
Italy, Romania
*Platyla orthostoma*¹⁵⁴
Bulgaria
*Platyla peloponnesica*¹⁵⁴
Greece

Family **AMPULLARIDAE**

- Lanistes graueri*³³
Zaire

Family **ASSIMINEIDAE**

- Assiminea palauensis*¹¹⁵
Palau
*Conacmella vagans*¹¹⁵
Japan (Ogasawara-gunto)
*Heteropoma fulva*¹¹⁵
Guam
*Heteropoma glabratum*¹¹⁵
Guam
*Heteropoma pyramis*¹¹⁵
Guam
*Heteropoma quadrasi*¹¹⁵
Guam
*Heteropoma tuberculatum*¹¹⁵
Guam
*Heteropoma turritum*¹¹⁵
Guam
*Kubaryia pilikia*¹¹⁵
Palau
*Omphalotropis albocarinata*¹¹⁵
Norfolk Island
*Omphalotropis carolinensis*¹¹⁵
Federated States of Micronesia
*Omphalotropis cheynei*¹¹⁵
Palau
*Omphalotropis cookei*¹¹⁵
Guam, Northern Marianas

- Omphalotropis elegans*¹¹⁵
Guam
*Omphalotropis elongatula*¹¹⁵
Guam
*Omphalotropis erosa*¹¹⁵
Guam
*Omphalotropis fragilis*¹¹⁵
Federated States of Micronesia
*Omphalotropis gracilis*¹¹⁵
Guam
*Omphalotropis guamensis*¹¹⁵
Guam
*Omphalotropis howeinsulae*¹¹⁵
Australia
*Omphalotropis laevigata*¹¹⁵
Guam
*Omphalotropis laticosta*¹¹⁵
Guam
*Omphalotropis latilabris*¹¹⁵
Guam
*Omphalotropis mutica*¹¹⁵
Palau
*Omphalotropis ochthogyra*¹¹⁵
Guam
*Omphalotropis picta*¹¹⁵
Guam
*Omphalotropis pilosa*¹¹⁵
Guam
*Omphalotropis quadrasi*¹¹⁵
Guam
*Omphalotropis semicostata*¹¹⁵
Guam
*Omphalotropis striatapila*¹¹⁵
Palau
*Omphalotropis submaritima*¹¹⁵
Guam
*Omphalotropis suteri*¹¹⁵
Norfolk Island
*Omphalotropis suturalis*¹¹⁵
Guam
*Omphalotropis tumidula*¹¹⁵
Federated States of Micronesia
*Paludinella semperi*¹¹⁵
Marshall Islands, Palau
*Ponapella pihapiha*¹¹⁵
Federated States of Micronesia
*Quadrasiella clathrata*¹¹⁵
Guam
*Quadrasiella mucronata*¹¹⁵
Guam
*Thaanumella angulosa*¹¹⁵
Federated States of Micronesia
*Thaanumella cookei*¹¹⁵
Federated States of Micronesia
*Wrayanna soluta*¹¹⁵
Federated States of Micronesia

Family **BATILLARIDAE**

- Batillaria mutata*⁶⁶
Ecuador (Galápagos Is)

Family **CYCLOPHORIDAE**

- Cyathopoma nishinoi*¹¹⁵
Japan
*Japonia hispida*¹¹⁵
Japan
*Japonia shigetai*¹¹⁵
Japan
*Japonia striatula*¹¹⁵
Japan
*Nobuea kurodai*¹¹⁵
Japan

Family **DIPLOMMATINIDAE**

- Diplommatina alata*¹¹⁵
Palau
*Diplommatina aurea*¹¹⁵
Palau
*Diplommatina circumstomata*¹¹⁵
Japan
*Diplommatina crassilabris*¹¹⁵
Palau
*Diplommatina gibboni*¹¹⁵
Palau
*Diplommatina inflatula*¹¹⁵
Palau
*Diplommatina lamellata*¹¹⁵
Palau
*Diplommatina lateralis*¹¹⁵
Japan
*Diplommatina lutea*¹¹⁵
Palau
*Diplommatina pyramis*¹¹⁵
Palau
*Diplommatina ringens*¹¹⁵
Palau
*Hungerfordia pelewensis*¹¹⁵
Palau
*Palaina albata*¹¹⁵
Palau
*Palaina dimorpha*¹¹⁵
Palau
*Palaina dohrni*¹¹⁵
Palau
*Palaina doliolum*¹¹⁵
Federated States of Micronesia
*Palaina kubaryi*¹¹⁵
Federated States of Micronesia
*Palaina moussoni*¹¹⁵
Palau
*Palaina ovatula*¹¹⁵
Federated States of Micronesia



- Palaina patula*¹¹⁵
Palau
- Palaina platycheilus*¹¹⁵
Palau
- Palaina pupa*¹¹⁵
Palau
- Palaina pusilla*¹¹⁵
Palau
- Palaina rubella*¹¹⁵
Palau
- Palaina scalarina*¹¹⁵
Federated States of Micronesia
- Palaina strigata*¹¹⁵
Palau
- Palaina striolata*¹¹⁵
Palau
- Palaina taeniolata*¹¹⁵
Guam
- Palaina wilsoni*¹¹⁵
Palau
- Palaina xiphidium*¹¹⁵
Federated States of Micronesia
- Pseudopalaina polymorpha*¹¹⁵
Palau
- Family **HYDROBIIDAE**
- Avenionia brevis*²⁶
Belgium, France, Germany,
Netherlands
- Belgrandiella komenskyi*¹¹⁵
Czech Republic
- Bythiospeum alpinum*¹¹⁵
Switzerland
- Cochliopina compacta*¹⁵⁴
Mexico
- Flumicola avernalis*¹¹⁵
Moapa Pebblesnail
USA
- Flumicola columbiana*¹¹⁵
Columbia Pebblesnail
USA
- Flumicola merriami*¹¹⁵
Pahranagat Pebblesnail
USA
- Fontigens holsingeri*¹¹⁵
Tapered Cavesnail
USA
- Hauffenia minuta*²⁶
France, Switzerland
- Iglica gratulabunda*⁷⁹
Austria
- Neohoratia minuta*¹¹⁵
Switzerland
- Paludinella conica*¹¹⁵
Guam, Northern Marianas
- Paludinella minima*¹¹⁵
Japan (Ogasawara-gunto)
- Paludinella vitrea*¹¹⁵
Palau
- Phrontela richardsoni*¹¹⁵
Australia
- Pseudamnicola melitensis*¹¹⁵
Malta
- Pyrgulopsis ogarhecta*¹¹⁵
Ocmulgee Marstonia
USA
- Pyrgulopsis bacchus*¹¹⁵
Grand Wash Springsnail
USA
- Pyrgulopsis bernardina*¹¹⁵
San Bernadino Springsnail
USA
- Pyrgulopsis bruneauensis*¹¹⁵
Bruneau Hot Springsnail
USA
- Pyrgulopsis castor*¹¹⁵
Beaver Pond Marstonia
USA
- Pyrgulopsis chupaderae*¹¹⁵
Chupadera Springsnail
USA
- Pyrgulopsis conica*¹¹⁵
Kingman Springsnail
USA
- Pyrgulopsis crystalis*¹¹⁵
Crystal Spring Springsnail
USA
- Pyrgulopsis davisii*¹¹⁵
Davis County Springsnail
USA
- Pyrgulopsis erythropoma*¹¹⁵
Ash Meadows Pebblesnail
USA
- Pyrgulopsis fairbanksensis*¹¹⁵
Fairbanks Springsnail
USA
- Pyrgulopsis gilae*¹¹⁵
Gila Springsnail
USA
- Pyrgulopsis glandulosa*¹¹⁵
Verde Rim Springsnail
USA
- Pyrgulopsis idahoensis*¹¹⁵
Idaho Springsnail
USA
- Pyrgulopsis isolata*¹¹⁵
Elongate-gland Springsnail
USA
- Pyrgulopsis metcalfi*¹¹⁵
Presidio County Springsnail
USA
- Pyrgulopsis micrococcus*¹¹⁵
Oasis Valley Springsnail
USA
- Pyrgulopsis montezumensis*¹¹⁵
Montezuma Well Springsnail
USA
- Pyrgulopsis morrisoni*¹¹⁵
Page Springsnail
USA
- Pyrgulopsis nanus*¹¹⁵
Distal-gland Springsnail
USA
- Pyrgulopsis olivacea*¹¹⁵
Olive Marstonia
USA
- Pyrgulopsis ozarkensis*¹¹⁵
Ozark Pyrg
USA
- Pyrgulopsis pachyta*¹¹⁵
Armored Marstonia
USA
- Pyrgulopsis pecosensis*¹¹⁵
Pecos Springsnail
USA
- Pyrgulopsis pisteri*¹¹⁵
Median-gland Nevada Springsnail
USA
- Pyrgulopsis robusta*¹¹⁵
Jackson Lake Springsnail
USA
- Pyrgulopsis roswellensis*¹¹⁵
Roswell Springsnail
USA
- Pyrgulopsis simplex*¹¹⁵
Fossil Springsnail
USA
- Pyrgulopsis sola*¹¹⁵
Brown Springsnail
USA
- Pyrgulopsis thermalis*¹¹⁵
New Mexico Hot Spring Snail
USA
- Pyrgulopsis thompsoni*¹¹⁵
Huachuca Springsnail
USA
- Pyrgulopsis trivialis*¹¹⁵
Three Forks Springsnail
USA
- Somatogyrys amnicoloides*¹¹⁵
Oachita Pebblesnail
USA
- Somatogyrys aureus*¹¹⁵
Goldend Pebblesnail
USA
- Somatogyrys biangulatus*¹¹⁵
Angular Pebblesnail
USA

*Somatogyrus constrictus*¹¹⁵
Knotty Pebblesnail
USA

*Somatogyrus coosaensis*¹¹⁵
Coosa Pebblesnail
USA

*Somatogyrus crassilabris*¹¹⁵
Thick-lipped Pebblesnail
USA

*Somatogyrus crassus*¹¹⁵
Stocky Pebblesnail
USA

*Somatogyrus currierianus*¹¹⁵
Tennessee Pebblesnail
USA

*Somatogyrus decipiens*¹¹⁵
Hidden Pebblesnail
USA

*Somatogyrus excavatus*¹¹⁵
Ovate Pebblesnail
USA

*Somatogyrus hendersoni*¹¹⁵
Fluted Pebblesnail
USA

*Somatogyrus hinkleyi*¹¹⁵
Granite Pebblesnail
USA

*Somatogyrus humerosus*¹¹⁵
Atlas Pebblesnail
USA

*Somatogyrus nanus*¹¹⁵
Dwarf Pebblesnail
USA

*Somatogyrus obtusus*¹¹⁵
Moom Pebblesnail
USA

*Somatogyrus parvulus*¹¹⁵
Sparrow Pebblesnail
USA

*Somatogyrus pilsbryanus*¹¹⁵
Tallapoosa Pebblesnail
USA

*Somatogyrus pygmaeus*¹¹⁵
Pygmy Pebblesnail
USA

*Somatogyrus quadratus*¹¹⁵
Quadrated Pebblesnail
USA

*Somatogyrus sargenti*¹¹⁵
Mud Pebblesnail
USA

*Somatogyrus strengi*¹¹⁵
Rolling Pebblesnail
USA

*Somatogyrus tenax*¹¹⁵
Savannah Pebblesnail
USA

*Somatogyrus tennesseensis*¹¹⁵
Opaque Pebblesnail
USA

*Somatogyrus wheeleri*¹¹⁵
Channeled Pebblesnail
USA

*Tryonia adamantina*¹¹⁵
Diamond Y Springsnail
USA

*Tryonia alamosae*¹¹⁵
Alamosa Springsnail
USA

*Tryonia angulata*²⁴
Sportingoods Tryonia
USA

*Tryonia brunei*²⁴
Brune's Tryonia
USA

*Tryonia cheatumi*²⁴
Phantom Tryonia
USA

*Tryonia clathrata*²⁴
Grated Tryonia
USA

*Tryonia elata*²⁴
Point of Rocks Tryonia
USA

*Tryonia ericae*²⁴
Minute Tryonia
USA

*Tryonia gilae*²⁴
Gila Tryonia
USA

*Tryonia imitator*²⁴
Mimic Tryonia
USA

*Tryonia kosteri*²⁴
Koster's Tryonia
USA

*Tryonia quitobaquitae*²⁴
Quitabaquito Tryonia
USA

*Tryonia variegata*²⁴
Amargossa Tryonia
USA

Family LIAREIDAE

*Cytora hirsutissima*¹¹⁵
New Zealand

Family MELANOPSIDAE

*Fagotia esperi*⁹⁹⁹
Austria, Belarus, Hungary, Moldova,
Slovakia, Ukraine

Family PLEUROCERIDAE

*Elimia cahawbensis*⁹⁹⁹
Cahaba Elimia
USA

*Elimia gerhardtii*⁹⁹⁹
Coldwater Elimia
USA

*Elimia variata*⁹⁹⁹
Squat Elimia
USA

Family POMATIASIDAE

*Chondropoma callipeplum*¹³³
Nicaragua

*Tropidophora carinata*⁶³
Mauritius, Réunion

*Tropidophora michaudi*⁷⁸
Mauritius

Family POTERIIDAE

*Kondoraphe kiyokoae*¹¹⁵
Federated States of Micronesia

*Ostodes brazieri*¹¹⁵
Federated States of Micronesia

*Paramiella incisa*¹¹⁵
Federated States of Micronesia

*Paramiella kondoi*¹¹⁵
Federated States of Micronesia

Family PUPINIDAE

*Pupina brenchleyi*¹¹⁵
Federated States of Micronesia

*Pupina complanata*¹¹⁵
Federated States of Micronesia,
Marshall Islands

*Pupina difficilis*¹¹⁵
Palau

Family STROMBIDAE

*Lambis violacea*¹⁶⁶
Mauritius

Family TRUNCATELLIDAE

*Taheitia alata*¹¹⁵
Guam

*Taheitia lamellicosta*¹¹⁵
Guam

*Taheitia mariannarum*¹¹⁵
Guam

*Taheitia parvula*¹¹⁵
Guam

*Truncatella guerini*¹¹⁵
Japan (Ogasawara-gunto)



Family VALVATIDAE

- Valvata utahensis*¹¹⁵
Utah Valvata
USA

Family VIVIPARIDAE

- Tulotoma magnifica*¹¹⁵
Tulotoma
USA

Order NEOGASTROPODA

Family BUCCINIDAE

- Paradoxa confirmata*⁷¹
São Tomé & Príncipe
- Paradoxa thomensis*⁷¹
São Tomé & Príncipe

Family CONIDAE

- Conus kohni*⁶⁶
Ecuador (Galápagos Is)

Family MARGINELLIDAE

- Cysticus gutta*⁷¹
São Tomé & Príncipe
- Cysticus josephinae*⁷¹
São Tomé & Príncipe (Príncipe)
- Gibberula cucullata*⁷¹
São Tomé & Príncipe
- Gibberula modica*⁷¹
São Tomé & Príncipe
- Gibberula puntillum*⁷¹
São Tomé & Príncipe
- Granulina parilis*⁷¹
São Tomé & Príncipe
- Marginella chalmersi*⁷¹
São Tomé & Príncipe (Príncipe)
- Marginella gemma*⁷¹
São Tomé & Príncipe (Príncipe)
- Marginella liparozona*⁷¹
São Tomé & Príncipe (Príncipe)
- Marginella melvilli*⁷¹
São Tomé & Príncipe
- Volvarina insulana*⁷¹
São Tomé & Príncipe

Family MURICIDAE

- Muricopsis mariangelae*⁷¹
São Tomé & Príncipe (São Tomé)
- Muricopsis matildae*⁷¹
São Tomé & Príncipe (São Tomé)
- Muricopsis Principensis*⁷¹
São Tomé & Príncipe (Príncipe)
- Neorapana grandis*⁶⁶
Ecuador (Galápagos Is)

Family TURRIDAE

- Agathothoma finalis*⁷¹
São Tomé & Príncipe
- Crassispira sacerdotalis*⁷¹
São Tomé & Príncipe (São Tomé)
- Scaevatula amancioi*⁷¹
São Tomé & Príncipe (São Tomé)
- Scaevatula pellisserpentis*⁷¹
São Tomé & Príncipe

Order STYLOMMATOPHORA

Family ACHATINELLIDAE

- Auriculella ambusta*¹¹⁵
USA (Hawaiian Is)
- Auriculella castanea*¹¹⁵
USA (Hawaiian Is)
- Auriculella crassula*¹¹⁵
USA (Hawaiian Is)
- Auriculella malleata*¹¹⁵
USA (Hawaiian Is)
- Auriculella perpusilla*¹¹⁵
USA (Hawaiian Is)
- Auriculella pulchra*¹¹⁵
USA (Hawaiian Is)
- Auriculella tenella*¹¹⁵
USA (Hawaiian Is)
- Elasmias jaurffreti*⁷⁸
Mauritius (Rodrigues?)
- Elasmias quadrasi*¹¹⁵
Guam, Northern Marianas
- Lamellidea microstoma*¹¹⁵
Guam, Northern Marianas
- Lamellidea subcylindrica*¹¹⁵
Guam, Northern Marianas
- Partulina dolei*¹⁵⁴
USA (Hawaiian Is)
- Partulina dwightii*¹⁵⁴
USA (Hawaiian Is)
- Partulina fusoides*¹⁵⁴
USA (Hawaiian Is)
- Partulina kaeana*¹⁵⁴
USA (Hawaiian Is)
- Partulina nattii*¹⁵⁴
USA (Hawaiian Is)
- Partulina porcellana*¹⁵⁴
USA (Hawaiian Is)
- Partulina talpina*¹⁵⁴
USA (Hawaiian Is)
- Partulina terebra*¹⁵⁴
USA (Hawaiian Is)
- Partulina ustulata*¹⁵⁴
USA (Hawaiian Is)
- Partulina virgulata*⁸¹
USA (Hawaiian Is)

*Perdicella carinella*¹⁵⁴

- USA (Hawaiian Is)
- Perdicella kuhnsi*¹⁵⁴
USA (Hawaiian Is)
- Perdicella ornata*¹⁵⁴
USA (Hawaiian Is)
- Tornatellinops ponapensis*¹¹⁵
Federated States of Micronesia

Family ACHATINIDAE

- Achatina vignoniana*¹⁸³
Gabon
- Archachatina knorri*¹⁸³
Liberia

Family ALYCAEIDAE

- Awalycaeus akiratadai*¹¹⁵
Japan
- Chamalycaeus expanstoma*¹¹⁵
Japan
- Chamalycaeus miyazakii*¹¹⁵
Japan
- Chamalycaeus takahashii*¹¹⁵
Japan
- Chamalycaeus yanoshigehumii*¹¹⁵
Japan
- Cipangochalax placeonovitas*¹¹⁵
Japan
- Cipangocharax okamurai*¹¹⁵
Japan

Family ARIONIDAE

- Arion obesoductus*¹¹⁵
Austria
- Arion simrothi*¹¹⁵
Germany
- Arion vejderskyi*¹¹⁵
Czech Republic
- Binneya notabilis*¹¹⁵
Santa Barbara Shelled Slug
USA

Family BRADYBAENIDAE

- Aegista inexpectata*¹¹⁵
Japan
- Aegista intonsa*¹¹⁵
Japan
- Euhadra murayamai*¹¹⁵
Japan
- Euhadra nachicola*¹¹⁵
Japan
- Euhadra sadoensis*¹¹⁵
Japan
- Paraegista apoiensis*¹¹⁵
Japan

Family CAMAENIDAE

*Amplirhagada herbertena*¹⁶⁰
Australia*Cristigibba wesselensis*⁹⁸
Australia*Eximiorhagada asperrima*¹⁶¹
Australia*Mandarina anijimana*¹¹⁵
Japan (Ogasawara-gunto)*Mandarina aureola*¹¹⁵
Japan (Ogasawara-gunto)*Mandarina chichijimana*¹¹⁵
Japan (Ogasawara-gunto)*Mandarina exoptata*¹¹⁵
Japan (Ogasawara-gunto)*Mandarina hahajimana*¹¹⁵
Japan (Ogasawara-gunto)*Mandarina hirasei*¹¹⁵
Japan (Ogasawara-gunto)*Mandarina luhuana*¹¹⁵
Japan (Ogasawara-gunto)*Mandarina mandarina*¹¹⁵
Japan (Ogasawara-gunto)*Mandarina polita*¹¹⁵
Japan (Ogasawara-gunto)*Mandarina ponderosa*¹¹⁵
Japan (Ogasawara-gunto)*Mandarina suenoae*¹¹⁵
Japan (Ogasawara-gunto)*Noctepuna muensis*¹¹⁵
Australia*Papustyla pulcherrima*¹¹⁵
Papua New Guinea

Family CHAROPIDAE

*Bischoffena bischoffensis*¹¹⁵
Australia*Coenocharopa yessabahensis*¹¹⁵
Australia*Cralopa kaputarensis*¹¹⁵
Australia*Dipnelix pertriosa*¹¹⁵
Australia*Discocharopa mimosa*¹¹⁵
Australia*Himeroconcha fusca*¹¹⁵
Guam*Himeroconcha lamlanensis*¹¹⁵
Guam*Himeroconcha quadrasi*¹¹⁵
Guam*Himeroconcha rotula*¹¹⁵
Guam*Jokajdon callizonus*¹¹⁵
Federated States of Micronesia*Jokajdon tumidulus*¹¹⁵
Federated States of Micronesia*Kubaryiellus kubaryi*¹¹⁵
Federated States of Micronesia*Ladronellum mariannarum*¹¹⁵
Guam*Letomola barrenensis*¹⁴⁰
Australia*Letomola contortus*¹¹⁵
Australia*Ngairea murphyi*¹¹⁵
Australia*Oreokera cumulus*¹¹⁵
Australia*Oreokera nimbus*¹¹⁵
Australia*Oreomava cannfluviatilus*¹⁴⁰
Australia*Palikirus cosmetus*¹¹⁵
Federated States of Micronesia*Palikirus ponapicus*¹¹⁵
Federated States of Micronesia*Palline micramyla*¹¹⁵
Federated States of Micronesia*Palline notera*¹¹⁵
Palau*Planilaoma luckmanii*¹¹⁵
Australia*Radiodiscus coppingers*¹⁰⁸
Argentina, Brazil, Chile*Radiodiscus iheringi*¹⁰⁸
Argentina, Brazil, Uruguay*Rhophodon kempseyensis*¹¹⁵
Australia*Rhophodon problematica*¹⁶¹
Australia*Roimontis tolotomensis*¹¹⁵
Federated States of Micronesia*Russatus nigrescens*¹¹⁵
Federated States of Micronesia*Semperdon kororensis*¹¹⁵
Palau*Semperdon rotanus*¹¹⁵
Guam, Northern Marianas*Semperdon uncatus*¹¹⁵
Palau*Semperdon xyleborus*¹¹⁵
Palau*Sinployea kusaieana*¹¹⁵
Federated States of Micronesia*Trochogyra leptotera*¹⁰⁸
Argentina, Brazil, Chile, Paraguay,
Uruguay*Trukcharopa trukana*¹¹⁵
Federated States of Micronesia

Family CLAUSILIIDAE

*Neophaedusa spelaeonis*¹¹⁵
Japan

Family COCHLICOPIDAE

*Hypnophila remyi*²⁶
France

Family COELIAXIDAE

*Pyrgina umbilicata*⁷¹
São Tomé & Príncipe (São Tomé)*Thomea newtoni*⁷¹
São Tomé & Príncipe (São Tomé)

Family DISCIDAE

*Anguispira picta*¹⁴⁹
Painted Snake-coiled Forest Snail
USA*Discus engonata*⁶
Spain (Canary Is)*Discus macclintocki*¹¹⁵
Iowa Pleistocene Snail
USA

Family ENDODONTIDAE

*Aaadonta angaurana*¹¹⁵
Palau*Aaadonta constricta*¹¹⁵
Palau*Aaadonta fuscozonata*¹¹⁵
Palau*Aaadonta irregularis*¹¹⁵
Palau*Aaadonta kinlochi*¹¹⁵
Palau*Aaadonta pelewana*¹¹⁵
Palau*Hirasea biconcava*¹¹⁵
Japan (Ogasawara-gunto)*Hirasea eutheca*¹¹⁵
Japan (Ogasawara-gunto)*Hirasea goniobasis*¹¹⁵
Japan (Ogasawara-gunto)*Hirasea hypolia*¹¹⁵
Japan (Ogasawara-gunto)*Hirasea major*¹¹⁵
Japan (Ogasawara-gunto)*Hirasea mirabilis*¹¹⁵
Japan*Hirasea nesiotica*¹¹⁵
Japan (Ogasawara-gunto)*Hirasea profundispira*¹¹⁵
Japan*Hirasea sinuosa*¹¹⁵
Japan (Ogasawara-gunto)



*Hirasiella clara*¹¹⁵
Japan (Ogasawara-gunto)

Family ENIDAE

*Luchuena hachijoensis*¹¹⁵
Japan

Family EUCONULIDAE

*Dendrotrochus ponapensis*¹¹⁵
Federated States of Micronesia

*Kusaiea frivola*¹¹⁵
Federated States of Micronesia

*Lamprocystis denticulata*¹¹⁵
Guam, Northern Marianas

*Lamprocystis fastigata*¹¹⁵
Guam, Northern Marianas

*Lamprocystis hornbosteli*¹¹⁵
Northern Marianas

*Lamprocystis misella*¹¹⁵
Guam

*Liardetia tenuisculpta*¹¹⁵
Federated States of Micronesia

*Palaua babelthuapi*¹¹⁵
Palau

*Palaua margaritacea*¹¹⁵
Palau

*Palaua minor*¹¹⁵
Palau

*Palaua ngarduaisi*¹¹⁵
Palau

*Palaua straminea*¹¹⁵
Palau

*Palaua wilsoni*¹¹⁵
Palau

*Ryssota pachystoma*¹¹⁵
Federated States of Micronesia

*Tengchiena euroxestus*¹¹⁵
Australia

Family FERUSSACIIDAE

*Ceciliooides nyctelia*¹¹⁵
Portugal (Madeira)

Family GEOMITRIDAE

*Actinella laciniosa*¹¹⁵
Portugal (Madeira)

*Lemniscia galeata*¹¹⁵
Portugal (Madeira)

Family HELICARIONIDAE

*Atrichotoxon usambarense*¹⁷²
Tanzania

*Elisolimax rufescens*¹⁷²
Tanzania

*Harmogenanina detecta*⁷⁸
Réunion

*Leptichnus bernardi*¹⁷²
Tanzania

*Sitala mazumbaiensis*¹⁷²
Tanzania

*Thapsia grandis*¹⁷²
Tanzania

*Thapsia microsculpta*¹⁷²
Tanzania

*Thapsia usambarenis*¹⁷²
Tanzania

*Trichotoxon martensi*¹⁷²
Tanzania

*Trochozonites usambarenis*¹⁷²
Tanzania

Family HELICIDAE

*Chilostoma zieglerei*¹¹⁵
Austria

*Codringtonia codringtonia*¹¹⁵
Greece

*Tacheocampylaea raspaili*¹¹⁵
France

*Tacheocampylaea tacheoides*¹¹⁵
Italy

Family

HELMINTHOGLYPTIDAE

*Micrarionta gabbi*¹¹⁵
San Clemente Island Snail
USA

*Monadenia troglodytes*¹¹⁵
Shasta Sideband
USA

Family HYGROMIIDAE

*Halolimnohelix conradi*¹⁷²
Tanzania

*Petasina subtecta*¹¹⁵
Austria

*Trichia biconica*¹¹⁵
Switzerland

*Trichia caelata*¹¹⁵
Switzerland

*Trichia grammicola*¹¹⁵
Germany

*Trichia oreinos*¹¹⁵
Austria

Family LIMACIDAE

*Deroceras fatrense*¹¹⁵
Slovakia

Family MILACIDAE

*Tandonia nigra*¹¹⁵
Switzerland

Family OLEACINIDAE

*Streptostyla turgidula*¹³³
Costa Rica, Guatemala, Nicaragua

*Streptostyla wani*¹³³
Nicaragua

Family ORCULIDAE

*Orcula austriaca*¹¹⁵
Austria

*Orcula pseudodolium*¹¹⁵
Austria

Family ORTHALICIDAE

*Bulimulus adelphus*¹⁵⁴
Ecuador (Galápagos Is)

*Orthalicus reses*¹¹⁵
Stock Island Tree Snail
USA

Family PARTULIDAE

*Samoana abbreviata*¹¹⁵
American Samoa

Family POLYGYRIDAE

*Mesodon archeri*¹¹⁵
Archer's Toothed Land Snail
USA

*Mesodon jonesianus*¹¹⁵
Jones' Middle-toothed Land Snail
USA

*Mesodon magazinensis*¹¹⁵
Magazine Mountain Middle-toothed
Snail
USA

*Polygyriscus virginianus*¹¹⁵
Virginia Fringed Mountain Snail
USA

*Stenotrema hubrichti*¹¹⁵
USA

*Stenotrema pilsbryi*¹¹⁵
Pilsbry's Narrow-apertured Land
Snail
USA

*Triodopsis occidentalis*¹¹⁵
Western Three-toothed Land Snail
USA

*Triodopsis platysayoides*¹¹⁵
Flat-spired Three-toothed Snail
USA

*Vespericola karokorum*¹¹⁵
Karak Hesperion
USA

Family PUNCTIDAE

*Pasmaditta jungermanniae*¹³⁸
Australia

Family PUPILLIDAE

*Leiostyla fuscidula*⁷⁰
Portugal (Azores)

*Lyropupa anceyana*⁵²
USA (Hawaiian Is)

*Lyropupa clathratula*⁵²
USA (Hawaiian Is)

*Lyropupa hawaiiensis*⁵²
USA (Hawaiian Is)

*Lyropupa lyrata*⁵²
USA (Hawaiian Is)

*Lyropupa microthauma*⁵²
USA (Hawaiian Is)

*Lyropupa mirabilis*⁵²
USA (Hawaiian Is)

*Lyropupa prisca*⁵²
USA (Hawaiian Is)

*Lyropupa rhabdota*⁵²
USA (Hawaiian Is)

*Lyropupa scabra*⁵²
USA (Hawaiian Is)

*Lyropupa spaldingi*⁵²
USA (Hawaiian Is)

*Lyropupa sparna*⁵²
USA (Hawaiian Is)

*Lyropupa striatula*⁵²
USA (Hawaiian Is)

*Lyropupa thaanumi*⁵²
USA (Hawaiian Is)

*Lyropupa truncata*⁵²
USA (Hawaiian Is)

*Nesopupa alloia*⁵²
USA (Hawaiian Is)

*Nesopupa anceyana*⁵²
USA (Hawaiian Is)

*Nesopupa bacca*⁵²
USA (Hawaiian Is)

*Nesopupa baldwini*⁵²
USA (Hawaiian Is)

*Nesopupa bishopi*⁵²
USA (Hawaiian Is)

*Nesopupa dispersa*⁵²
USA (Hawaiian Is)

*Nesopupa dubitabilis*⁵²
USA (Hawaiian Is)

*Nesopupa eapensis*¹¹⁵
Palau

*Nesopupa forbesi*⁵²
USA (Hawaiian Is)

*Nesopupa infrequens*⁵²
USA (Hawaiian Is)

*Nesopupa kauaiensis*⁵²
USA (Hawaiian Is)

*Nesopupa limatula*⁵²
USA (Hawaiian Is)

*Nesopupa litoralis*⁵²
USA (Hawaiian Is)

*Nesopupa newcombi*⁵²
USA (Hawaiian Is)

*Nesopupa oahuensis*⁵²
USA (Hawaiian Is)

*Nesopupa plicifera*⁵²
USA (Hawaiian Is)

*Nesopupa quadrasi*¹¹⁵
Guam

*Nesopupa rodriguezensis*⁷⁸
Mauritius (Rodrigues?)

*Nesopupa singularis*⁵²
USA (Hawaiian Is)

*Nesopupa subcentralis*⁵²
USA (Hawaiian Is)

*Nesopupa thaanumi*⁵²
USA (Hawaiian Is)

*Nesopupa waianensis*⁵²
USA (Hawaiian Is)

*Nesopupa wesleyana*⁵²
USA (Hawaiian Is) *

*Pronesopupa acanthinula*⁵²
USA (Hawaiian Is)

*Pronesopupa boettgeri*⁵²
USA (Hawaiian Is)

*Pronesopupa frondicella*⁵²
USA (Hawaiian Is)

*Pronesopupa hystricella*⁵²
USA (Hawaiian Is)

*Pronesopupa incerta*⁵²
USA (Hawaiian Is)

*Pronesopupa lymaniana*⁵²
USA (Hawaiian Is)

*Pronesopupa molokaiensis*⁵²
USA (Hawaiian Is)

*Pronesopupa orycta*⁵²
USA (Hawaiian Is)

*Pronesopupa sericata*⁵²
USA (Hawaiian Is)

*Pupoidopsis hawaiiensis*⁵²
USA (Hawaiian Is)

Family RHYTIDIDAE

*Delos oualanensis*¹¹⁵
Federated States of Micronesia

*Ougapia spaldingi*¹¹⁵
Australia

*Paryphanta gilliesi*¹¹⁵
Gillies' Land Snail
New Zealand

*Paryphanta hochstetteri*¹¹⁵
Hochstetter's Land Snail
New Zealand

*Paryphanta lignaria*¹¹⁵
Woodformed Land Snail
New Zealand

*Paryphanta rossiana*¹¹⁵
Ross' Land Snail
New Zealand

*Paryphanta traversi*¹¹⁵
Travers' Land Snail
New Zealand

Family SAGDIDAE

*Xenodiscula taintori*¹³³
Guatemala, Nicaragua

Family STREPTAXIDAE

*Edentulina usambarensis*¹⁷²
Tanzania

*Gonaxis usambarensis*¹⁷²
Tanzania

*Gonaxis vosseleri*¹⁷²
Tanzania

*Gulella alleni*¹⁷²
Tanzania

*Gulella amaniensis*¹⁷²
Tanzania

*Gulella bomolensis*¹⁷²
Tanzania

*Gulella cuspidata*¹⁷²
Tanzania

*Gulella foliifera*¹⁷²
Tanzania

*Gulella greenwayi*¹⁷²
Tanzania

*Gulella grossa*¹⁷²
Tanzania

*Gulella inconspicua*¹⁷²
Tanzania

*Gulella intrusa*¹⁷²
Tanzania

*Gulella ludwigi*¹⁷²
Tanzania

*Gulella ndamanyiluensis*¹⁷²
Tanzania

*Gulella paucidens*¹⁷²
Tanzania

*Gulella translucida*¹⁷²
Tanzania

*Gulella unidentata*¹⁷²
Tanzania

*Gulella usambarica*¹⁷²
Tanzania

*Ptychotrema usambarensis*¹⁷²
Tanzania



*Tayloria amaniensis*¹⁷²
Tanzania

*Tayloria angustistriata*¹⁷²
Tanzania

*Tayloria hyalinoides*¹⁷²
Tanzania

Family SUBULINIDAE

*Hypolysia cannollyana*¹⁷²
Tanzania

*Hypolysia usambarica*¹⁷²
Tanzania

*Pseudoglessula acutissima*¹⁷²
Tanzania

*Pseudoglessula conradti*¹⁷²
Tanzania

*Subulina usambarica*¹⁷²
Tanzania

Family SUCCINEIDAE

*Succinea chittenangoensis*¹¹⁵
Chittenango Ovate Amber Snail
USA

*Succinea guamensis*¹¹⁵
Guam

*Succinea philippinica*¹¹⁵
Palau

Family THYROPHORELLIDAE

*Thyropharella thomensis*⁷¹
São Tomé & Príncipe (São Tomé)

Family VALLONIDAE

*Acanthinula spinifera*⁶
Spain (Canary Is)

*Vallonia allamanica*¹¹⁵
Germany

*Vallonia enniensis*¹¹⁵
Austria, Belgium, Czech Republic,
France, Germany, Greece, Hungary,

Italy, Poland, Romania, Russia,
Slovakia, Spain (Balearic Is, Canary
Is), Switzerland, Ukraine

*Vallonia suevica*¹¹⁵
Germany

Family VERTIGINIDAE

*Nesopupa panapica*¹¹⁵
Federated States of Micronesia

*Truncatellina atomus*⁶
Spain (Canary Is)

*Vertigo paradoxa*¹¹⁵
Canada, USA

Family ZONITIDAE

*Brazieria entomostoma*¹¹⁵
Federated States of Micronesia

*Brazieria erasa*¹¹⁵
Federated States of Micronesia

*Brazieria lutaria*¹¹⁵
Federated States of Micronesia

*Brazieria minuscula*¹¹⁵
Federated States of Micronesia

*Brazieria obesa*¹¹⁵
Federated States of Micronesia

*Brazieria velata*¹¹⁵
Federated States of Micronesia

*Glyphyalinia pecki*¹¹⁵
USA

*Hongolua kondorum*¹¹⁵
Federated States of Micronesia

*Kondaa kondorum*¹¹⁵
Federated States of Micronesia

*Retinella stabilei*¹¹⁵
Italy

*Trochomorpha approximata*¹¹⁵
Federated States of Micronesia

*Trochomorpha carolinae*¹¹⁵
Federated States of Micronesia

*Trochomorpha conoides*¹¹⁵
Federated States of Micronesia

*Trochomorpha contigua*¹¹⁵
Federated States of Micronesia

*Trochomorpha kuesteri*¹¹⁵
Federated States of Micronesia

*Trochomorpha nigrutella*¹¹⁵
Federated States of Micronesia

*Videna electra*¹¹⁵
Palau

*Videna oleacina*¹¹⁵
Palau

*Videna pagadula*¹¹⁵
Palau

*Videna pumila*¹¹⁵
Palau

*Vitrea inae*¹¹⁵
Spain

*Vitrea striata*¹¹⁵
Spain (Balearic Is)

Class ENOPLA

Order HOPLOMERTEA

Family PROSORHOCHMIDAE

*Argonemertes stacki*¹⁸⁵
Australia

*Geonemertes rodericana*¹⁸⁵
Mauritius (Rodrigues)

*Pantionemertes agricala*¹⁸⁵
Bermuda

Class ANTHOZOA

Order ACTINIARIA

Family EDWARDSIIDAE

*Edwardsia ivelli*¹⁸⁵
Ivelli's Sea Anemone
United Kingdom



Subspecies and populations

Class MAMMALIA

Order MONOTREMATA

Family TACHYGLOSSIDAE

Tachyglossus aculeatus multiaculeatus

Short-beaked Echidna

LR¹³ nt
Australia

Order DASYUROMORPHIA

Family DASYURIDAE

Antechinus minimus maritimus

Swamp Antechinus

LR¹³ nt
Australia

Antechinus swainsonii insulanus (S)

Dusky Antechinus
(Victoria population)

LR¹³ nt
Australia

Dasyurus maculatus gracilis

Spotted-tailed Quoll

EN¹³ C2a
Australia

Dasyurus maculatus maculatus

Spotted-tailed Quoll

VU¹³ C1+2a
Australia

Phascogale tapoatafa pirata

Brush-tailed Phascogale

LR¹³ nt
Australia

Phascogale tapoatafa tapoatafa

Brush-tailed Phascogale

LR¹³ nt
Australia

Sminthopsis archeri (S)

Chestnut Dunnart

DD¹³
Australia

Sminthopsis griseoventer ssp.

Bollanger Id Dunnart

CR¹³
B1+2e, C2b
Australia (Bollanger Id)

Sminthopsis murina tatei

Common Dunnart

LR¹³ nt
Australia

Order PERAMELEMORPHIA

Family PERAMELIDAE

Isoodon auratus auratus

Golden Bandicoot

VU¹³ B1+2e
Australia

Isoodon auratus barrowensis

Golden Bandicoot

VU¹³ D2
Australia

Isoodon obesulus fusciventer

Quenda

LR¹³ nt
Australia

Isoodon obesulus nauticus

Southern Brown Bandicoot

VU¹³ D2
Australia

Isoodon obesulus obesulus

Southern Brown Bandicoot

LR¹³ nt
Australia

Isoodon obesulus peninsulae

Southern Brown Bandicoot

LR¹³ nt
Australia

Perameles bougainville bougainville

Western Barred Bandicoot

EN¹³ B1+3a
Australia

Perameles bougainville fasciata

Western Barred Bandicoot

EX¹³
Australia

Perameles gunnii gunnii

Eastern Barred Bandicoot

(Tasmanian population)

VU¹³ A1b
Australia

Perameles gunnii ssp. (S)

(mainland population)

CR¹³ B1+2c, D1
Australia

Order DIPROTODONTIA

Family VOMBATIDAE

Vombatus ursinus ursinus

Common Wombat

VU¹³ D2
Australia

Family PHALANGERIDAE

Phalanger intercastellanus (S)

Southern Common Cuscus

LR¹³ nt
Australia

Trichosurus vulpecula hypoleucus

Common Brushtail Possum

LR¹³ nt
Australia

Family POTOROIDAE

Bettongia gaimardi cuniculus

Tasmanian Bettong

LR¹³ nt
Australia

Bettongia gaimardi gaimardi

Eastern Bettong

EX¹³
Australia

Bettongia lesueur graii

Burrowing Bettong

EX¹³
Australia

Bettongia lesueur lesueur

Boodie

VU¹³ D2
Australia

Bettongia leuser ssp.

VU¹³ D2
Australia (Barrow & Boodie Is)

Bettongia penicillata ogilbyi

Woylie

LR¹³ cd
Australia

Bettongia penicillata penicillata

Brush-tailed Bettong

EX¹³
Australia

Potorous tridactylus tridactylus

Long-nosed Potoroo

VU¹³ C2a
Australia

Family MACROPODIDAE

Lagorchestes conspicillatus

conspicillatus

Spectacled Hare-wallaby

VU¹³ D2
Australia

- Lagorchestes conspicillatus leichardti*
Spectacled Hare-wallaby
LR¹³ nt
Australia
- Lagorchestes hirsutus bernieri*
Rufous Hare-wallaby
VU¹³ D2
Australia
- Lagorchestes hirsutus dorreae*
Rufous Hare-wallaby
VU¹³ D2
Australia
- Lagorchestes hirsutus hirsutus*
Rufous Hare-wallaby
EX¹³
Australia
- Lagorchestes hirsutus* ssp.
Mala
CR¹³ A1a, B1+3abcd, C2b, D1
Australia (central mainland)
- Lagostrophus fasciatus albipilis*
Banded Hare-wallaby
EX¹³
Australia
- Lagostrophus fasciatus fasciatus*
Banded Hare-wallaby
VU¹³ D2
Australia
- Macropus eugenii* (S)
Tamar Wallaby
(Western Australia population)
LR¹³ nt
Australia
- Macropus eugenii* (S)
Tamar Wallaby
(Southern Australia population)
LR¹³ nt
Australia
- Macropus eugenii decrei*
Tamar Wallaby
LR¹³ nt
Australia
- Macropus eugenii derbianus*
Tamar Wallaby
LR¹³ nt
Australia
- Macropus eugenii eugenii*
Tamar Wallaby
EW¹³
Australia
- Macropus fuliginosus fuliginosus*
Western Grey Kangaroo
LR¹³ nt
Australia
- Macropus giganteus tasmaniensis*
Eastern Grey Kangaroo
LR¹³ nt
Australia
- Macropus robustus isabellinus*
Barrow Island Euro
VU¹³ D2
Australia
- Petrogale concinna concinna*
Nabarlek
LR¹³ nt
Australia
- Petrogale concinna monastria*
Nabarlek
LR¹³ nt
Australia
- Petrogale lateralis* (S)
Black-footed Rock-wallaby
(MacDonnell Ranges population)
VU¹³ A1ab, B2ab+3abc
Australia
- Petrogale lateralis* (S)
Black-footed Rock-wallaby
(Western Kimberly population)
VU¹³ B1+2c, C2a
Australia
- Petrogale lateralis hacketti*
Black-footed Rock-wallaby
VU¹³ D2
Australia
- Petrogale lateralis lateralis*
Black-footed Rock-wallaby
VU¹³ B1+2abce, C2a
Australia
- Petrogale lateralis pearsoni*
Black-footed Rock-wallaby
VU¹³ D2
Australia
- Petrogale xanthopus celeris*
Yellow-footed Rock-wallaby
LR¹³ nt
Australia
- Petrogale xanthopus xanthopus*
Yellow-footed Rock-wallaby
VU¹³ C2a
Australia
- Family **BURRAMYIDAE**
- Cercartetus caudatus macrurus*
Long-tailed Pygmy-possum
LR¹³ nt
Australia
- Family **PETAURIDAE**
- Petaurus australis australis*
Yellow-bellied Glider
LR¹³ nt
Australia
- Order **PRIMATES**
- Family **CHEIROGALEIDAE**
- Phaner furcifer electromontis*
VU¹⁵ B1+2c, C2b
Madagascar
- Phaner furcifer furcifer*
LR¹⁴³ nt
Madagascar
- Phaner furcifer pallescens*
VU¹⁴³ B1+2bc, C2a
Madagascar
- Phaner furcifer parienti*
VU¹⁵ B1+2c, C2b
Madagascar
- Family **LEMURIDAE**
- Eulemur fulvus albocollaris*
White-collared Lemur
EN¹⁴³ B1+2bc
Madagascar
- Eulemur fulvus collaris*
Collared Lemur
VU¹⁴³ A1cd, B1+2bc
Madagascar
- Eulemur fulvus sanfordi*
Sanford's Lemur
VU¹⁴³ B1+2bc
Madagascar
- Eulemur macaco flavifrons*
Sclater's Lemur
CR¹⁴³ A1cd, B1+2bc
Madagascar
- Eulemur macaco macaco*
Black Lemur
VU¹⁴³ B1+2bc
Madagascar
- Hapalemur griseus alaotrensis*
Alaotran Gentle Lemur
CR¹⁴³ A2cd, B1+2c
Madagascar
- Hapalemur griseus occidentalis*
Western Gentle Lemur
VU¹⁴³ A1cd, B1+2abc
Madagascar
- Varecia variegata rubra*
CR¹⁴³ A2cd, B1+2bc
Madagascar
- Varecia variegata variegata*
EN¹⁴³ A1cd, B1+2bc
Madagascar



Family INDRIDAE

*Propithecus diadema candidus*CR¹⁴³ A2cd, B1+2bc

Madagascar

*Propithecus diadema diadema*EN¹⁴³ A1cd

Madagascar

*Propithecus diadema edwardsi*EN¹⁴³ A1c

Madagascar

*Propithecus diadema perrieri*CR¹⁴³ A2cd, B1+2c

Madagascar

*Propithecus verreauxi coquereli*EN¹⁴³ A2c, B1+2bc

Madagascar

*Propithecus verreauxi coronatus*CR¹⁴³ B1+2bc, C2a

Madagascar

*Propithecus verreauxi deckeni*VU¹⁴³ A1c

Madagascar

*Propithecus verreauxi verreauxi*VU¹⁴³ A2cd

Madagascar

Family CALLITRICHIDAE

Saguinus bicolor bicolor

Pied Tamarin

EN¹⁴³ B1+2abcde, C2a

Brazil

*Saguinus fuscicollis crandalli*DD¹⁴³

Peru?

*Saguinus fuscicollis cruzlimai*DD¹⁴³

Brazil?

Saguinus imperator imperator

Black-chinned Emperor Tamarin

VU¹⁴³ A1c, B1+2c

Brazil, Peru

*Saguinus nigricollis hernandezii*VU¹⁴³ A1c, B1+2c

Colombia

Family CEBIDAE

Alouatta belzebul ululata

Red-handed Howling Monkey

CR¹⁴³ B1+2abcde, C2a

Brazil

*Alouatta coibensis coibensis*EN¹⁴³ B1+2abcde, C2a

Panama

*Alouatta coibensis trabeata*CR¹⁴³ B1+2abcde, C2a

Panama

*Alouatta fusca clamitans*VU¹⁴³ A1c

Argentina, Brazil

Alouatta fusca fusca

Northern Brown Howling Monkey

CR¹⁴³ B1+2abcde, C2a, D1

Brazil

*Alouatta palliata mexicana*VU¹⁴³ A1c, B1+2c

Guatemala, Mexico

*Alouatta seniculus amazonica*DD¹⁴³

Brazil

*Alouatta seniculus insulans*VU¹⁴³ A1c, B1+2c

Trinidad and Tobago

*Alouatta seniculus juara*DD¹⁴³

Brazil

*Alouatta seniculus puruensis*DD¹⁴³

Bolivia, Brazil

Aotus lemurinus griseimembra

Night Monkey

EN¹⁴³ B1+2abcde

Colombia

*Aotus lemurinus lemurinus*VU¹⁴³ B1+2c, C2a

Colombia, Costa Rica, Panama

*Ateles belzebuth belzebuth*VU¹⁴³ A1c

Brazil, Colombia, Ecuador, Peru,

Venezuela

*Ateles belzebuth brunneus*EN¹⁴³ B1+2abcde

Colombia

Ateles belzebuth hybridus

Hybrid Spider Monkey

EN¹⁴³ B1+2abcde

Colombia, Venezuela

*Ateles fusciceps fusciceps*CR¹⁴³ B1+2abcde, C2a

Ecuador

*Ateles fusciceps robustus*VU¹⁴³ A1c, B1+2c

Colombia, Panama

*Ateles geoffroyi azuerensis*CR¹⁴³ B1+2abcde, C2a

Panama

*Ateles geoffroyi frontatus*VU¹⁴³ A1c, B1+2c

Costa Rica, Nicaragua

*Ateles geoffroyi grisescens*EN¹⁴³ B1+2abcde, C2a

Colombia, Panama

*Ateles geoffroyi ornatus*VU¹⁴³ A1c, B1+2c

Costa Rica

*Ateles geoffroyi pan*DD¹⁴³

Guatemala

*Ateles geoffroyi panamensis*EN¹⁴³ B1+2abcde, C2a

Costa Rica, Panama

*Ateles geoffroyi yucatanensis*VU¹⁴³ A1c, B1+2c

Belize, Guatemala, Mexico

*Cacajao calvus calvus*EN¹⁴³ B1+2abcde

Brazil

*Cacajao calvus novaesi*EN¹⁴³ B1+2abcde

Brazil

*Cacajao calvus rubicundus*EN¹⁴³ B1+2abcde

Brazil, Colombia

*Cacajao calvus ucayalii*VU¹⁴³ A1c

Brazil?, Peru

Callicebus cupreus ornatus

Ornate Titi

VU¹⁴³ A1c, B1+2c

Colombia

Callicebus personatus barbarabrownae

Northern Bahian Blond Titi

CR¹⁴³ B1+2abcde

Brazil

Callicebus personatus melanochir

Southern Bahian Masked Titi

VU¹⁴³ A1c

Brazil

Callicebus personatus nigrifrons

Black-fronted Titi

VU¹⁴³ A1c

Brazil

Callicebus personatus personatus

Northern Masked Titi

VU¹⁴³ A1c, B1+2c

Brazil

*Callicebus torquatus medemi*VU¹⁴³ B1+2c, C2a

Colombia

*Cebus albifrons adustus*DD¹⁴³

Venezuela

*Cebus albifrons aequatorialis*DD¹⁴³

Ecuador

*Cebus albifrons cesarae*DD¹⁴³

Colombia

- Cebus albifrons cuscinus*
White-fronted Capuchin
DD¹⁴³
Bolivia?, Brazil, Peru
- Cebus albifrons hypoleucus*
DD¹⁴³
Colombia
- Cebus albifrons leucocephalus*
DD¹⁴³
Venezuela
- Cebus albifrons malitiosus*
DD¹⁴³
Colombia
- Cebus albifrons trinitatis*
CR¹⁴³ B1+2abcde, C2a
Trinidad and Tobago
- Cebus albifrons yuracus*
Andean White-fronted Capuchin
DD¹⁴³
Colombia, Ecuador, Peru
- Cebus apella margaritae*
CR¹⁴³ B1+2abcde, C2a
Venezuela
- Cebus apella robustus*
Robust Tufted Capuchin
VU¹⁴³ B1+2c
Brazil
- Cebus capucinus curtus*
VU¹⁴³ B1+2c
Colombia
- Chiropotes satanas satanas*
Black Saki
EN¹⁴³ B1+2abcde
Brazil
- Chiropotes satanas utahicki*
Uta Hick's Bearded Saki
VU¹⁴³ A1c
Brazil
- Lagothrix lagotricha cana*
VU¹⁴³ A1c
Brazil, Peru
- Lagothrix lagotricha lugens*
Colombian Woolly Monkey
CR¹⁴³ B1+2abcde, C2a
Colombia, Venezuela
- Lagothrix lagotricha poeppigii*
VU¹⁴³ A1c
Brazil, Ecuador, Peru
- Pithecia monachus milleri*
VU¹⁴³ A1c, B1+2c
Colombia
- Saimiri oerstedii citrinellus*
CR¹⁴³ B1+2abcde, C2a
Costa Rica
- Saimiri oerstedii oerstedii*
EN¹⁴³ B1+2abcde, C2a
Costa Rica, Panama
- Family CERCOPITHECIDAE
- Cercocebus atys lunulatus*
White-collared Mangabey
EN¹⁴³ A2c
Côte d'Ivoire, Ghana
- Cercocebus galeritus "sanjei"*
Sanje Mangabey
EN¹⁴³ B1+2c
Tanzania
- Cercocebus galeritus chrysogaster*
Golden-bellied Mangabey
DD¹⁴³
Congo
- Cercocebus galeritus galeritus*
Tana River Mangabey
EN¹⁴³ B1+2abcde, C2a
Kenya
- Cercopithecus aethiops djamdjamensis*
Djam-djam
DD¹⁴³
Ethiopia
- Cercopithecus albogularis albotorquatus*
Tana River Sykes Monkey
DD¹⁴³
Kenya, Somalia
- Cercopithecus albogularis zammaranoi*
Somalia Sykes Monkey
DD¹⁴³
Somalia
- Cercopithecus diana diana*
Diana Monkey
VU¹⁴³ A1a
Guinea, Liberia, Sierra Leone
- Cercopithecus diana roloway*
Roloway Monkey
EN¹⁴³ A1c
Côte d'Ivoire, Ghana
- Cercopithecus erythrotis erythrotis*
Fernando Po Red-eared Monkey
EN¹⁴³ B1+2abce
Equatorial Guinea (Bioko)
- Cercopithecus hamlyni kahuziensis*
Kahuzi Owl-faced Monkey
VU¹⁴³ A2c
Rwanda?, Zaire
- Cercopithecus mitis elgonis*
Elgon Blue Monkey
DD¹⁴³
Kenya, Uganda
- Cercopithecus mitis kandti*
Golden Monkey
EN¹⁴³ B1+2c
Rwanda, Uganda, Zaire
- Cercopithecus pogonias pogonias*
Fernando Po Crowned Monkey
VU¹⁴³ A2c
Cameroon, Equatorial Guinea
- Cercopithecus preussi insularis*
Fernando Po Preuss's Monkey
EN¹⁴³ B1+2abce, C1
Equatorial Guinea (Bioko)
- Cercopithecus preussi preussi*
Mainland Preuss's Monkey
EN¹⁴³ A1cd+2c
Cameroon, Nigeria
- Colobus angolensis palliatus*
Tanzanian Black-and-white Colobus
DD¹⁴³
Tanzania
- Colobus angolensis prigoginei*
Prigogine's Black-and-white Colobus
DD¹⁴³
Zaire
- Colobus angolensis ruwenzorii*
Rwenzori Black-and-white Colobus
VU¹⁴³ B1+2c
Rwanda, Uganda, Zaire
- Colobus guereza gallarum*
Neumann's Black-and-white Colobus
DD¹⁴³
Ethiopia
- Lophocebus aterrimus opdenboschi*
Opdenbosch's Black Mangabey
DD¹⁴³
Angola, Zaire
- Mandrillus leucophaeus leucophaeus*
Mainland Drill
VU¹⁴³ A1acd+2b
Cameroon, Gabon?, Nigeria
- Mandrillus leucophaeus mundamensis*
Mainland Drill
EN¹⁴³ A1acd+2cd, C1+2a
Cameroon, Gabon?, Nigeria
- Mandrillus leucophaeus poensis*
Fernando Po Drill
EN¹⁴³ B1+2abcde, C1
Equatorial Guinea (Bioko)
- Procolobus badius bouvieri*
Bouvier's Red Colobus
EN¹⁴³ B1+2c
Congo
- Procolobus badius epieni*
Niger Delta Red Colobus
EN¹⁴³ B1+2ac
Nigeria
- Procolobus badius foai*
Foa Red Colobus
DD¹⁴³
Zaire

*Procolobus badius gordonorum*

Uhehe Red Colobus

EN ¹⁴³ B1+2abc
Tanzania*Procolobus badius kirkii*

Zanzibar Red Colobus

EN ¹⁴³ B1+2c, C2a
Tanzania*Procolobus badius langi*

Maiko Red Colobus

DD ¹⁴³
Zaire*Procolobus badius lulindicus*

Kahuzi Red Colobus

DD ¹⁴³
Zaire*Procolobus badius parmentierorum*

Lomami Red Colobus

DD ¹⁴³
Zaire*Procolobus badius pennantii*

Pennant's Red Colobus

EN ¹⁴³ B1+2abcde, C1
Equatorial Guinea*Procolobus badius preussi*

Preuss's Red Colobus

EN ¹⁴³ B1+2ac
Cameroon, Nigeria (ex?)*Procolobus badius rufomitratu*

Tana River Red Colobus

EN ¹⁴³ B1+2abcde, C2a
Kenya*Procolobus badius semlikiensis*

Semliki Red Colobus

DD ¹⁴³
Uganda?, Zaire*Procolobus badius temminckii*

Temminck's Red Colobus

EN ¹⁴³ A1c
Gambia, Guinea, Guinea-Bissau,
Senegal*Procolobus badius waldroni*

Miss Waldron's Bay Colobus

CR ¹⁴³ A1c
Côte d'Ivoire, Ghana

Family HOMINIDAE

Gorilla gorilla (S)

Nigerian Gorilla

CR ¹⁴³ A1c, C2a
Cameroon, Nigeria*Gorilla gorilla beringei*

Mountain Gorilla

CR ¹⁴³ C2b
Rwanda, Uganda, Zaire*Gorilla gorilla gorilla*

Western Lowland Gorilla

EN ¹⁴³ A2cd
Angola, Cameroon, Central African
Republic, Congo, Equatorial Guinea,
Gabon, Nigeria*Gorilla gorilla graueri*

Grauer's Gorilla

EN ¹⁴³ A1cd+2cd
Uganda?, Zaire*Pan troglodytes schweinfurthi*

Eastern Chimpanzee

EN ¹⁴³ A1cd+2cd
Burundi, Rwanda, Sudan, Tanzania,
Uganda, Zaire*Pan troglodytes troglodytes*

Central Chimpanzee

EN ¹⁴³ A2cd
Angola, Cameroon, Central African
Republic, Congo, Equatorial Guinea,
Gabon, Nigeria*Pan troglodytes verus*

Western Chimpanzee

EN ¹⁴³ A1cd+2cd
Côte d'Ivoire, Ghana, Guinea,
Guinea-Bissau, Liberia, Mali,
Nigeria?, Senegal, Sierra Leone

Order CARNIVORA

Family CANIDAE

Canis lupus (S)

Grey Wolf

EW ¹⁸⁴
Mexico*Canis lupus* (S)

Grey Wolf

LR ¹⁸⁴ cd
Portugal, Spain*Canis lupus* (S)

Grey Wolf

VU ¹⁸⁴ D2
Italy

Family FELIDAE

Acinonyx jubatus hecki

Northwest African Cheetah

EN ⁴⁰ C2a, D1
Algeria, Egypt (ex?), Libya (ex?),
Morocco, Niger, Western Sahara
(ex?)*Acinonyx jubatus venaticus*

Asiatic Cheetah

CR ⁴⁰ C2b, D1
Iran*Felis margarita scheffeli*

Pakistan Sand Cat

LR ⁴⁰ nt
Pakistan*Felis silvestris grampia*

Scottish Wildcat

VU ⁴⁰ A1de+2e
United Kingdom*Herpailurus yaguarondi cacomitti*

Texas Jaguarundi

EN ⁴⁰ D1
Mexico, USA*Leopardus pardalis albescens*

Texas Ocelot

EN ⁴⁰ D1
Mexico, USA*Leptailurus serval constantinus*

North African Serval

EN ⁴⁰ D1
Algeria (ex?), Morocco (ex?),
Tunisia (ex?)*Otocolobus manul ferrugineous*

Red Manul

LR ⁴⁰ nt
Afghanistan, Armenia, Azerbaijan,
Iran, Kazakhstan, Pakistan,
Turkmenistan, Uzbekistan*Panthera leo persica*

Asiatic Lion

EN ⁴⁰ D1
India*Panthera pardus japonensis*

North Chinese Leopard

EN ⁴⁰ C2a
China*Panthera pardus kotiya*

Sri Lankan Leopard

EN ⁴⁰ C2a
Sri Lanka*Panthera pardus melas*

Javan Leopard

EN ⁴⁰ C2a
Indonesia*Panthera pardus nimr*

South Arabian Leopard

CR ⁴⁰ C2a
Saudi Arabia, United Arab Emirates,
Yemen*Panthera pardus orientalis*

Amur Leopard

CR ⁴⁰ A1c, D1
China, North Korea, Russia, South
Korea*Panthera pardus panthera*

North African Leopard

CR ⁴⁰ C2a
Algeria (ex?), Morocco (ex?),
Tunisia (ex?)*Panthera pardus saxicolor*

North Persian Leopard

EN ⁴⁰ C2a
Afghanistan, Iran, Turkmenistan

- Panthera pardus tulliana*
Anatolian Leopard
CR⁴⁰ C2a
Turkey
- Panthera tigris altaica*
Amur Tiger
CR⁴⁰ C2b
China (ex?), North Korea (ex?),
Russia
- Panthera tigris amoyensis*
South China Tiger
CR⁴⁰ D1
China
- Panthera tigris sumatrae*
Sumatran Tiger
CR⁴⁰ C1+2a
Indonesia
- Prionailurus bengalensis iriomotensis*
Iriomote Cat
EN⁴⁰ D1
Japan (Nansei-shoto)
- Puma concolor coryi*
Florida Panther
CR⁴⁰ D1
USA
- Puma concolor cougar*
Eastern Puma
CR⁴⁰ D1
Canada, USA
- Family **HERPESTIDAE**
- Bdeogale crassicauda omnivora*
Sokoke Bushy-tailed Mongoose
EN¹¹⁷ B1+2c
Kenya, Tanzania
- Family **HYAENIDAE**
- Proteles cristatus* (S)
Aardwolf
DD⁹²
Burundi?, Central African Republic?,
Egypt, Eritrea, Ethiopia, Kenya,
Somalia, Sudan, Tanzania, Uganda
- Family **MUSTELIDAE**
- Conepatus mesoleucus telmalestes*
Big Thicket Hog-nosed Skunk
EX¹¹⁷
USA
- Eira barbara senex*
Greyheaded Tayra
VU¹¹⁷ C1
Belize, Guatemala, Mexico
- Martes flavigula robinsoni*
Javan Yellow-throated Marten
EN¹¹⁷ B1+2c
Indonesia
- Martes melampus tsuensis*
Tsushima Island Marten
VU¹¹⁷ C2b
Japan
- Martes zibellina brachyura*
Japanese Sable
DD¹¹⁷
Japan
- Melogale personata orientalis*
Javan Ferret-badger
LR¹¹⁷ nt
Indonesia
- Mustela eversmanni amurensis*
VU¹¹⁷ A2cd
China, Russia
- Vormela peregusna peregusna*
European Marbled Polecat
VU¹¹⁷ A1cd
Bulgaria, Greece, Romania, Turkey,
Ukraine, Yugoslavia
- Family **ODOBENIDAE**
- Odobenus rosmarus laptevi*
Laptev Walrus
DD¹⁵³
Russia
- Family **OTARIIDAE**
- Zalophus californianus japonicus*
Japanese Sealion
EX¹⁵³
Japan, North Korea, South Korea
- Zalophus californianus wollebaeki*
Galápagos Sea Lion
VU¹⁵³ A2d
Ecuador (Galápagos Is)
- Family **PHOCIDAE**
- Halichoerus grypus* (S)
Grey Seal
EN¹⁵³ D1
Denmark, Estonia, Finland,
Germany, Latvia, Lithuania, Poland,
Russia, Sweden
[Atlantic (northeast)]
- Phoca hispida botnica*
Baltic Seal
VU¹⁵³ D2
Estonia?, Finland, Russia, Sweden
- Phoca hispida ladogensis*
Ladoga Seal
VU¹⁵³ D2
Russia
[L. Ladoga]
- Phoca hispida saimensis*
Saimaa Seal
EN¹⁵³ B1+2c
Finland
- Phoca vitulina mellonae*
Ungava Seal
DD¹⁵³
Canada, Greenland
- Family **URSIDAE**
- Ursus arctos nelsoni*
Mexican Grizzly Bear
EX¹⁷
Mexico, USA
- Ursus thibetanus gedrosianus*
Baluchistan Bear
CR¹⁷ B1+2abc, C2a
Iran, Pakistan
- Family **VIVERRIDAE**
- Arctictis binturong whitei*
Palawan Binturong
VU¹¹⁷ B1+2c
Philippines
- Arctogalidia trivirgata trilineata*
Javan Small-toothed Palm Civet
EN¹¹⁷ C2a
Indonesia
- Crossarchus ansorgei ansorgei*
Angolan Cusimanse
DD¹¹⁷
Angola
- Genetta genetta isabelae*
Ibiza Genet
VU¹¹⁷ B1+2c
Spain (Balearic Is)
- Paradoxurus hermaphroditus lignicolor*
Mentawai Palm Civet
VU¹¹⁷ A2c
Indonesia
- Poiana richardsoni liberiensis*
Leighton's Linsang
DD¹¹⁷
Côte d'Ivoire, Liberia, Sierra Leone
- Order **CETACEA**
- Family **BALAENIDAE**
- Balaena mysticetus* (S)
Bowhead Whale
(Bering Sea, Chukchi Sea, Beaufort
Sea population)
LR⁴¹ cd
[Arctic Sea, Pacific (northeast,
northwest)]
- Balaena mysticetus* (S)
Bowhead Whale
(Hudson Bay, Foxe Basin stock)
VU⁴¹ D1
[Atlantic (northwest)]
- Balaena mysticetus* (S)
Bowhead Whale



(Okhotsk Sea population)

EN ⁴¹ D1

[Pacific (northwest)]

Balaena mysticetus (S)

Bowhead Whale

(Baffin Bay, Davis Strait stock)

VU ⁴¹ D1

[Atlantic (northwest)]

Balaena mysticetus (S)

Bowhead Whale

(Spitzbergen stock)

EN ⁴¹ D1

[Atlantic (northeast)]

Eubalaena glacialis (S)

Northern Right Whale

(North Pacific stock)

EN ⁴¹ D1

[Pacific (eastern central, northeast, northwest)]

Eubalaena glacialis (S)

Northern Right Whale

(North Atlantic stock)

EN ⁴¹ D1

[Atlantic northwest, western central]

Family BALAENOPTERIDAE

Balaenoptera musculus (S)

Blue Whale

(Antarctic stock)

EN ⁴¹ D1

[Atlantic (Antarctic), Indian Ocean (Antarctic), Pacific (Antarctic)]

Balaenoptera musculus (S)

Blue Whale

(North Pacific stock)

LR ⁴¹ cd

[Pacific (eastern central, northeast, northwest, western central)]

Balaenoptera musculus (S)

Blue Whale

(North Atlantic stock)

VU ⁴¹ D1

[Atlantic (eastern central, northeast, northwest, western central)]

Balaenoptera musculus breviceauda

Pygmy Blue Whale

DD ⁴¹

[Atlantic (Antarctic, southeast, southwest), Indian Ocean (Antarctic, eastern, western), Pacific (Antarctic, southeast, southwest)]

Family ESCHRICHTIIDAE

Eschrichtius robustus (S)

Gray Whale

(Northeast Pacific stock)

LR ⁴¹ cd

[Pacific (eastern central, northeast)]

Eschrichtius robustus (S)

Gray Whale

(Northwest Pacific stock)

EN ⁴¹ D1

[Pacific (northwest)]

Family PHOCOENIDAE

Neophocaena phocaenoides (S)

Finless Porpoise

(R. Yangtze population)

EN ⁴¹ C2b

China

[Pacific (northwest)]

Phocoena phocoena (S)

Harbour Porpoise

(Black Sea stock)

VU ⁴¹ A1c, C1+2b

Bulgaria, Georgia, Moldova, Romania, Russia, Turkey, Ukraine [Mediterranean and Black Sea]

Phocoena phocoena (S)

Harbour Porpoise

(Baltic Sea stock)

VU ⁴¹ A1c, C1+2b

Denmark, Estonia, Finland, Germany, Latvia, Lithuania, Poland, Russia, Sweden

[Atlantic (northeast)]

Order SIRENIA

Family TRICHECHIDAE

Trichechus manatus latirostris

Florida Manatee

VU ¹⁵⁷ A2d

USA

[Atlantic (western central)]

Trichechus manatus manatus

Antillean Manatee

VU ¹⁵⁷ A1cd, C2a

Belize, Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, French Guiana, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Suriname, Venezuela

[Atlantic (southwest, western central)]

Order PERISSODACTYLA

Family EQUIDAE

Equus ferus przewalskii

Przewalski's Horse

EW ⁶⁴

China, Kazakhstan?, Mongolia

Equus hemionus hemionus

North Mongolian Kulan

DD ⁶⁴

Mongolia

Equus hemionus hemippus

Syrian Wild Ass

EX ⁶⁴

Iran, Iraq, Israel, Saudi Arabia, Syria

Equus hemionus khur

Indian Wild Ass

EN ⁶⁴ A2c

India

Equus hemionus kulan

Kulan

LR ⁶⁴ nt

Kazakhstan, Turkmenistan

Equus hemionus luteus

Gobi Kulan

DD ⁶⁴

China, Mongolia

Equus hemionus onager

Onager

EN ⁶⁴ C1

Iran

Equus kiang kiang

Western Kiang

DD ⁶⁴

India, Nepal

Equus kiang polyodon

Southern Kiang

DD ⁶⁴

China, India

Equus zebra zebra

Cape Mountain Zebra

EN ⁶⁴ C2a

South Africa

Family RHINOCEROTIDAE

Ceratotherium simum cottoni

Northern White Rhinoceros

CR ³ A1abc, D1

Sudan (ex?), Zaire

Dicerorhinus sumatrensis harrissoni

CR ¹¹ A1bcd, C2a, D1

Indonesia, Malaysia

Dicerorhinus sumatrensis lasiotis

EX ¹¹

Bangladesh, India, Myanmar

Dicerorhinus sumatrensis sumatrensis

CR ¹¹ A1bcd, C2a

Indonesia, Malaysia, Thailand

Rhinoceros sondaicus annamiticus

CR ¹¹ A1cd, C2b, D1

Cambodia (ex?), Laos (ex?),

Thailand (ex), Viet Nam

Rhinoceros sondaicus sondaicus

CR ¹¹ C2b, D1

Indonesia, Malaysia, Myanmar (ex),

Thailand (ex)

Rhinoceros unicornis (S)

Great Indian Rhinoceros
EN¹¹ B1+2cde, C1
Bhutan, India (Uttar Pradesh), Nepal

Rhinoceros unicornis (S)

Great Indian Rhinoceros
EN¹¹ B1+2cde, C1
India (Assam, West Bengal)

Order HYRACOIDEA

Family PROCAVIIDAE

Dendrohyrax arboreus (S)

VU⁹³ B1+2c
South Africa

Order ARTIODACTYLA

Family SUIDAE

Hylochoerus meinertzhageni ivoriensis

Western Forest Hog
VU¹³⁵ A2cd, B1+2abde
Côte d'Ivoire, Ghana, Guinea,
Liberia, Sierra Leone

Phacochoerus aethiopicus aethiopicus

Cape Warthog
EX¹³⁵
South Africa

Phacochoerus aethiopicus delameri

Somali Warthog
VU¹³⁵ A2cd, B1+2acd
Kenya, Somalia

Phacochoerus africanus aeliani

Eritrean Warthog
EN¹³⁵ A1acd, B1+2abd
Djibouti, Eritrea

Sus barbatus ahoenobarbus

Palawan Bearded Pig
LR¹³⁵ nt
Philippines

Sus barbatus oi

Western Bearded Pig
LR¹³⁵ nt
Indonesia, Malaysia

Sus scrofa riukiuanus

Ryukyu Islands Wild Pig
VU¹³⁵ A1acde, B1+2bd
Japan (Nansei-shoto)

Family HIPPOPOTAMIDAE

Hexaprotodon liberiensis heslopi

CR⁸⁹ D1
Nigeria

Hippopotamus amphibius tschadensis

VU⁸⁹ A1a
Chad, Niger

Family CAMELIDAE

Lama guanicoe cacsilensis

VU¹⁶⁴ C2a
Bolivia, Chile, Peru

Lama guanicoe huanacus

EN¹⁶⁴ B1+2ce
Chile

Lama guanicoe voglii

VU¹⁶⁴ A1bcd, C2a
Argentina

Vicugna vicugna mensalis

LR¹⁶⁴ cd
Bolivia, Chile, Peru

Vicugna vicugna vicugna

LR¹⁶⁴ cd
Argentina, Bolivia, Chile

Family TRAGULIDAE

Tragulus napu nigricans

Balabac Chevrotain
EN⁹⁹ B1+2ce
Philippines

Family MOSCHIDAE

Moschus chrysogaster chrysogaster

Alpine Musk Deer
LR⁹⁹ nt
China, India

Moschus chrysogaster leucogaster

Himalayan Musk Deer
LR⁹⁹ nt
Afghanistan, China, India, Nepal,
Pakistan

Family CERVIDAE

Alces alces cameloides

Siberian Elk
LR⁹⁹ nt
China, Mongolia

Axis porcinus annamiticus

Indo-Chinese Hog Deer
DD⁹⁹
Cambodia, China, Laos, Thailand
(ex), Viet Nam

Axis porcinus porcinus

LR⁹⁹ nt
Bhutan, Cambodia, China, India,
Laos, Myanmar, Nepal, Pakistan, Sri
Lanka [int]

Cervus duvauceli branderi

Upland Barasingha
EN⁹⁹ D1
India

Cervus duvauceli duvauceli

VU⁹⁹ C1
India, Nepal

Cervus duvauceli ranjitsinhi

CR⁹⁹ C2b
India

Cervus elaphus affinis

Shou
DD⁹⁹
Bhutan?, China

Cervus elaphus alashanicus

Alashan Wapiti
DD⁹⁹
China

Cervus elaphus bactrianus

Bactrian Deer
VU⁹⁹ D1
Afghanistan, Turkmenistan,
Uzbekistan
[R. Amu Darya valley]

Cervus elaphus barbarus

Atlas Deer
LR⁹⁹ nt
Algeria, Morocco (ex), Tunisia

Cervus elaphus corsicanus

Corsican Red Deer
EN⁹⁹ D1
France, Italy

Cervus elaphus hanglu

Hangul
EN⁹⁹ D1
India

Cervus elaphus macneilli

McNeill's Deer
DD⁹⁹
China

Cervus elaphus wallichi

Tibetan Red Deer
DD⁹⁹
Bhutan?, China

Cervus elaphus yarkandensis

Yarkand Deer
EN⁹⁹ A1a
China

Cervus eldi eldi

Manipur Brow-antlered Deer
CR⁹⁹ B1+2c, C2b
India
[L. Loktak swamps]

Cervus eldi siamensis

Thailand Brow-antlered Deer
DD⁹⁹
Cambodia, China, Laos, Thailand,
Viet Nam

Cervus eldi thamin

Burmese Brow-antlered Deer
LR⁹⁹ nt
Myanmar, Thailand



Cervus nippon apladontus
North Honshu Sika
DD⁵⁹
Japan

Cervus nippon grassianus
Shansi Sika
CR⁵⁹ C2a
China

Cervus nippon keramae
Ryukyu Sika
CR⁵⁹ C2a
Japan (Nansei-shoto)

Cervus nippon kapschi
South China Sika
EN⁵⁹ D1
China

Cervus nippon mandarinus
North China Sika
CR⁵⁹ D1
China

Cervus nippon manchuricus
Mantchurian Sika
DD⁵⁹
Russia

Cervus nippon pseudaxis
Tonkin Sika
CR⁵⁹ D1
Viet Nam

Cervus nippon pulchellus
Tsushima Sika
DD⁵⁹
Japan

Cervus nippon sichuanicus
Shansi Sika
EN⁵⁹ D1
China

Cervus nippon taiouanus
Taiwan Sika
CR⁵⁹ D1
Taiwan

Cervus nippon yesoensis
Hokkaido Sika
DD⁵⁹
Japan

Dama dama mesopotamica
Persian Fallow Deer
EN⁵⁹ D1
Iran, Iraq (ex?)

Elaphodus cephalophus cephalophus
DD⁵⁹
China, Myanmar

Elaphodus cephalophus ichangensis
Ichang Tufted Deer
DD⁵⁹
China

Elaphodus cephalophus michianus
Michie's Tufted Deer
DD⁵⁹
China

Hydropotes inermis argyropus
DD⁵⁹
North Korea, South Korea

Hydropotes inermis inermis
LR⁵⁹ nt
China

Muntiacus feai feai
DD⁵⁹
China, Myanmar, Thailand

Muntiacus feai rooseveltorum
DD⁵⁹
China, Laos, Viet Nam

Odocoileus hemionus cerasensis
Cedros Island Mule Deer
EN⁵⁹ D1
Mexico

Odocoileus virginianus clavium
Key Deer
EN⁵⁹ D1
USA

Odocoileus virginianus leucurus
Columbian White-tailed Deer
LR⁵⁹ nt
USA

Ozotaceros bezaarticus bezaarticus
LR⁵⁹ nt
Brazil, Uruguay

Ozotaceros bezaarticus celer
EN⁵⁹ B1+2cde, C2a
Argentina

Ozotaceros bezaarticus leucogaster
LR⁵⁹ nt
Argentina, Bolivia, Brazil, Paraguay

Rangifer tarandus pearyi
Peary Caribou
EN⁵⁹ A1b, C1
Canada

Family ANTILOCAPRIDAE

Antilocapra americana mexicana
Mexican Pronghorn
LR⁹ cd
Mexico, USA

Antilocapra americana peninsularis
Baja California Pronghorn
CR⁹ C2b
Mexico

Antilocapra americana sonoriensis
Sonoran Pronghorn
EN⁹ C2b
Mexico, USA

Family BOVIDAE

Aepyceros melampus petersi
Black-faced Impala
VU⁹ D1
Angola, Namibia

Alcelaphus buselaphus buselaphus
Bubal Hartebeest
EX⁹
Algeria, Egypt, Morocco, Tunisia

Alcelaphus buselaphus caama
Red Hartebeest
LR⁹ cd
Angola, Botswana, Lesotho (ex?),
Namibia, South Africa, Swaziland,
Zimbabwe

Alcelaphus buselaphus cokei
Coke's Hartebeest
LR⁹ cd
Kenya, Tanzania

Alcelaphus buselaphus lelwel
Lelwel Hartebeest
LR⁹ cd
Central African Republic, Chad,
Ethiopia, Kenya, Sudan, Uganda,
Zaire

Alcelaphus buselaphus major
Western Hartebeest
LR⁹ cd
Benin, Burkina Faso, Cameroon,
Central African Republic, Chad,
Côte d'Ivoire, Gambia (ex?), Ghana,
Guinea, Guinea-Bissau, Mali, Niger,
Nigeria, Senegal, Togo

Alcelaphus buselaphus swaynei
Swayne's Hartebeest
EN⁹ A1a, C1
Ethiopia, Somalia (ex)

Alcelaphus buselaphus tora
Tora Hartebeest
EN⁹ C1
Eritrea, Ethiopia, Sudan

Budorcas taxicolor bedfordi
Golden Takin
EN³⁷ A2cd, C2a, D1
China

Budorcas taxicolor taxicolor
Mishmi Takin
EN³⁷ A2cd
China, India, Myanmar

Budorcas taxicolor tibetana
Sichuan Takin
VU³⁷ A2cd
China

Budorcas taxicolor whitei
Bhutan Takin
VU³⁷ A2cde
Bhutan, China, India

Capra aegagrus aegagrus

VU ³⁷ A2cde
Afghanistan, Armenia, Azerbaijan,
Georgia, Iran, Lebanon (ex), Russia,
Turkey

Capra aegagrus blythi

Sind Ibex
VU ³⁷ A2cde
Iran, Iraq?, Pakistan, Turkmenistan

Capra aegagrus chialtanensis

Chiltan Goat
CR ³⁷ C2b
Pakistan

Capra aegagrus cretica

Cretan Goat
VU ³⁷ D1+2
Greece

Capra falconeri falconeri

Flare-horned Markhor
EN ³⁷ C2a
India, Pakistan

Capra falconeri heptneri

Tadjik Markhor
CR ³⁷ C2a
Tajikistan, Turkmenistan, Uzbekistan

Capra falconeri megaceros

Straight-horned Markhor
EN ³⁷ C2a
Afghanistan, Pakistan

Capra pyrenaica hispanica

LR ³⁷ cd
Spain

Capra pyrenaica pyrenaica

Pyrenean Ibex
CR ³⁷ D1
Spain

Capra pyrenaica victoriae

Gredos Ibex
VU ³⁷ D2
Spain

Capricornis sumatraensis maritimus

Indochinese Serow
VU ³⁷ A2cd
Cambodia, Laos, Myanmar,
Thailand, Viet Nam

Capricornis sumatraensis

milneedwardsii
Chinese Serow
VU ³⁷ A2cd
China

Capricornis sumatraensis rubidus

Red Serow
EN ³⁷ A2cd
Bangladesh, India, Myanmar

Capricornis sumatraensis sumatraensis

Sumatran Serow
EN ³⁷ A2cd
Indonesia, Malaysia

Capricornis sumatraensis thar

Himalayan Serow
VU ³⁷ A2cd
Bhutan, China, India, Nepal

Cephalophus nigrifrons rubidus

Ruwenzori Black-fronted Duiker
EN ⁹ A1c
Uganda, Zaire?

Cephalophus ogilbyi crusalbum

White-legged Duiker
LR ⁹ nt
Congo?, Gabon

Connochaetes taurinus albojubatus

Eastern White-bearded Wildebeest
LR ⁹ cd
Kenya, Tanzania

Connochaetes taurinus cooksoni

Cookson's Wildbeest
LR ⁹ cd
Malawi, Zambia

Connochaetes taurinus johnstoni

Nyassa Wildebeest
LR ⁹ cd
Malawi (ex), Mozambique, Tanzania

Connochaetes taurinus mearnsi

Western White-bearded Wildebeest
LR ⁹ cd
Kenya, Tanzania

Connochaetes taurinus taurinus

Blue Wildebeest
LR ⁹ cd
Angola, Botswana, Mozambique,
Namibia, South Africa, Swaziland,
Zambia, Zimbabwe

Damaliscus dorcas dorcas

Bontebok
VU ⁹ D2
South Africa

Damaliscus dorcas phillipsi

Blesbok
LR ⁹ cd
Botswana [int], Lesotho, Namibia
[int], South Africa, Swaziland,
Zimbabwe [int]

Damaliscus lunatus jimela

Topi
LR ⁹ cd
Burundi (ex), Kenya, Rwanda,
Tanzania, Uganda, Zaire

Damaliscus lunatus korrigum

Korrigum
VU ⁹ A1a
Benin, Burkina Faso, Cameroon,
Gambia (ex), Ghana (ex), Guinea
(ex?), Guinea-Bissau (ex), Mali (ex),
Mauritania (ex), Niger, Nigeria,
Senegal (ex), Togo (ex?)

Damaliscus lunatus lunatus

Tsessebe
LR ⁹ cd
Angola, Botswana, Mozambique
(ex), Namibia, South Africa,
Swaziland (ex), Zambia, Zimbabwe

Damaliscus lunatus tiang

Tiang
LR ⁹ nt
Central African Republic, Chad,
Ethiopia, Kenya, Sudan, Uganda

Damaliscus lunatus topi

Coastal Topi
LR ⁹ cd
Kenya, Somalia

Gazella dorcas pelzelni

Pelzeln's Gazelle
VU ⁹ C1
Djibouti, Somalia

Gazella gazella acaciae

Acacia Gazelle
CR ⁹ A1c, C2b
Israel

Gazella gazella cora

Arabian Mountain Gazelle
LR ⁹ cd
Oman, Saudi Arabia, United Arab
Emirates, Yemen

Gazella gazella farasani

Farasan Gazelle
VU ⁹ D1
Saudi Arabia

Gazella gazella gazella

Palestine Mountain Gazelle
LR ⁹ cd
Israel, Jordan, Lebanon (ex), Syria

Gazella gazella muscatensis

Muscat Gazelle
CR ⁹ C2a
Oman

Gazella rufifrons tilonura

Heuglin's Gazelle
VU ⁹ C1
Eritrea, Ethiopia, Sudan

Gazella subgutturosa marica

Arabian Sand Gazelle
VU ⁹ C2a
Bahrain, Iran?, Jordan, Kuwait,
Oman, Saudi Arabia, Syria?, United
Arab Emirates, Yemen?

Gazella thomsonii albonotata

Mongalla Gazelle
LR ⁹ nt
Ethiopia, Sudan

Hippotragus niger variiani

Giant Sable Antelope
CR ⁹ A1d+2d, C1+2b
Angola

***Kobus ellipsiprymnus defassa***

Defassa Waterbuck

LR⁹ cd

Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, Côte d'Ivoire, Ethiopia, Gabon, Gambia (ex?), Ghana, Guinea, Guinea-Bissau, Kenya, Mali, Nigeria, Rwanda, Senegal, Sierra Leone, Sudan, Tanzania, Togo, Uganda, Zaire, Zambia

Kobus ellipsiprymnus ellipsiprymnus

Ellipsen Waterbuck

LR⁹ cd

Botswana, Ethiopia, Kenya, Malawi, Mozambique, Namibia, Somalia, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe

Kobus kob kob

Buffon's Kob

LR⁹ cd

Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Côte d'Ivoire, Gambia (ex), Ghana, Guinea, Guinea-Bissau, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone (ex), Togo

Kobus kob leucotis

White-eared Kob

LR⁹ nt

Ethiopia, Sudan, Uganda

Kobus kob thomasi

Uganda Kob

LR⁹ cd

Kenya (ex), Sudan, Tanzania (ex), Uganda, Zaire

Kobus leche kafuensis

Kafue Lechwe

VU⁹ D2

Zambia

Kobus leche leche

Red Lechwe

LR⁹ cd

Angola, Botswana, Namibia, Zaire, Zambia

Kobus leche robertsi

Roberts' Lechwe

EX⁹

Zambia

Kobus leche smithemani

Black Lechwe

VU⁹ D2

Zambia

Naemorhedus baileyi baileyi

Tibetan Red Goral

VU³⁷ A2cd

China

Naemorhedus baileyi cranbrooki

Red Goral

VU³⁷ A2cd

India, Myanmar

Naemorhedus caudatus caudatus

Long-tailed Goral

VU³⁷ A2cd

China

Naemorhedus caudatus evansi

Evans' Long-tailed Goral

VU³⁷ A2cd

Laos?, Myanmar, Thailand

Naemorhedus caudatus griseus

South China Goral

VU³⁷ A2cd

China

Naemorhedus caudatus raddeanus

Amur Goral

VU³⁷ A2cd

China, North Korea, Russia, South Korea

Naemorhedus goral bedfordi

Western Himalayan Goral

LR³⁷ nt

India, Pakistan

Naemorhedus goral goral

Brown Himalayan Goral

LR³⁷ nt

Bhutan, China, India, Nepal

Oreotragus oreotragus porteousi

Western Klipspringer

EN⁹ A1c, C1

Nigeria

Oryx gazella beisa

Beisa Oryx

LR⁹ cd

Djibouti, Eritrea, Ethiopia, Kenya, Somalia, Sudan, Uganda

Oryx gazella callotis

Fringe-eared Oryx

LR⁹ cd

Kenya, Tanzania

Oryx gazella gazella

Gemsbok

LR⁹ cd

Angola, Botswana, Namibia, South Africa, Zimbabwe

Ourebia ourebi haggardi

Haggard's Oribi

VU⁹ C1

Kenya, Somalia

Ourebia ourebi keniae

Kenya Oribi

EX⁹

Kenya

Ovis ammon ammon

Altai Argali

VU³⁷ A2cde, C1

China, Mongolia, Russia

Ovis ammon colliumVU³⁷ A2cde, C1

Kazakhstan

Ovis ammon darwini

Mongolian Argali, Gobi Argali

EN³⁷ C1

China, Mongolia

Ovis ammon hodgsonii

Tibetan Argali

VU³⁷ A2cde

China, India, Nepal

Ovis ammon jubata

Northern Chinese Argali

EN³⁷ C1+2a, D1

China

Ovis ammon karelini

Tien Shan Argali

VU³⁷ A2cde, C1+2a

China, Kazakhstan, Kyrgyzstan

Ovis ammon nigrimontana

Kara Tau Argali

CR³⁷ C2b

Kazakhstan

Ovis ammon polii

Marco Polo Argali

VU³⁷ A2cde, C1

Afghanistan, China, Pakistan, Tajikistan

Ovis canadensis californiana

Rimrock Bighorn

LR³⁷ cd

Canada, USA

Ovis canadensis cremnobates

Peninsular Bighorn Sheep

EN³⁷ C1+2a

Mexico, USA

Ovis canadensis mexicana

Mexican Bighorn Sheep

VU³⁷ D1

Mexico, USA

Ovis canadensis nelsoni

Nelson's Bighorn

LR³⁷ cd

USA

Ovis canadensis weemsii

Weems' Bighorn Sheep

CR³⁷ C2a

Mexico

Ovis nivicola borealis

Putorean Snow Sheep

VU³⁷ D2

Russia

- Ovis nivicola nivicola*
LR³⁷ nt
Russia
- Ovis orientalis arkal*
Transcasian Urial
VU³⁷ A2cde
Iran, Turkmenistan, Uzbekistan
- Ovis orientalis boharensis*
Bukhara Urial
EN³⁷ A1cde, C1+2a
Tajikistan, Turkmenistan, Uzbekistan
- Ovis orientalis cycloceros*
Afghan Urial
VU³⁷ C1
Afghanistan, Iran?, Pakistan, Turkmenistan
- Ovis orientalis gmelinii*
Armenian Mouflon
VU³⁷ A2cde
Armenia, Azerbaijan, Iran, Iraq?, Turkey
- Ovis orientalis isphahanica*
Esfahan Mouflon
VU³⁷ A2c
Iran
- Ovis orientalis laristanica*
Laristan Mouflon
VU³⁷ A2c
Iran
- Ovis orientalis musimon*
European Mouflon
VU³⁷ A2cde, D1+2
France, Italy
- Ovis orientalis ophion*
Cyprus Mouflon
EN³⁷ A1a
Cyprus
- Ovis orientalis punjabiensis*
Punjab Urial
EN³⁷ A1cde, C1+2a
Pakistan
- Ovis orientalis severtzovi*
Severtzov's Urial
EN³⁷ A2cde, C2b
Uzbekistan
- Ovis orientalis vignei*
Ladakh Urial
EN³⁷ A2cde, C1+2a
India, Pakistan
- Pseudois nayaur nayaur*
LR³⁷ nt
Bhutan, China, India, Nepal, Pakistan
- Pseudois nayaur szechuanensis*
LR³⁷ nt
China
- Redunca fulvorufula adamauae*
Western Mountain Reedbuck
EN⁹ C1
Cameroon, Nigeria
- Redunca fulvorufula chanleri*
Chanler's Mountain Reedbuck
LR⁹ nt
Ethiopia, Kenya, Sudan, Tanzania, Uganda
- Redunca fulvorufula fulvorufula*
Southern Mountain Reedbuck
LR⁹ cd
Botswana, Lesotho, Mozambique, South Africa, Swaziland
- Rupicapra pyrenaica ornata*
Apennine Chamois
EN³⁷ D1
Italy
- Rupicapra rupicapra asiatica*
Turkish Chamois
DD³⁷
Turkey
- Rupicapra rupicapra cartusiana*
Chartreuse Chamois
CR³⁷ C2b, D1
France
- Rupicapra rupicapra caucasica*
Caucasian Chamois
VU³⁷ C1
Azerbaijan, Georgia, Russia
- Rupicapra rupicapra tatraica*
Tatra Chamois
EN³⁷ C1
Poland, Slovakia
- Saiga tatarica mongolica*
Mongolian Saiga
EN⁹ C1
Mongolia
- Saiga tatarica tatarica*
Russian Saiga
VU⁹ A1a
China (ex), Kazakhstan, Mongolia (ex), Russia, Turkmenistan
- Tragelaphus derbianus derbianus*
Western Giant Eland
EN⁹ C1+2b
Côte d'Ivoire (ex), Gambia (ex), Ghana (ex?), Guinea (ex?), Guinea-Bissau, Mali (ex?), Senegal, Togo (ex?)
- Tragelaphus derbianus gigas*
Eastern Giant Eland
LR⁹ nt
Cameroon, Central African Republic, Chad (ex?), Nigeria (ex), Sudan, Uganda (ex?), Zaire
- Tragelaphus eurycerus eurycerus*
Westen Bongo
LR⁹ nt
Benin (ex?), Cameroon, Central African Republic, Congo, Côte d'Ivoire, Gabon, Ghana, Guinea, Liberia, Sierra Leone, Sudan, Togo (ex), Zaire
- Tragelaphus eurycerus isaaci*
Eastern Bongo
EN⁹ B1+2b
Kenya, Uganda (ex)
- Order **RODENTIA**
- Family **APLodontidae**
- Aplodontia rufa nigra*
Point Arena Mountain Beaver
VU⁸² B1+2de
USA
- Aplodontia rufa phaea*
Point Reyes Mountain Beaver
VU⁸² B1+2e
USA
- Family **SCIURIDAE**
- Cynomys ludovicianus arizonensis*
Arizona Black-tailed Prairie Dog
DD⁸²
Mexico, USA
- Glaucomys sabrinus californicus*
San Bernardino Flying Squirrel
DD⁸²
USA
- Glaucomys sabrinus coloratus*
Carolina Flying Squirrel
VU⁸² A2c, B1+2c
USA
- Glaucomys sabrinus fuscus*
Virginia Flying Squirrel
VU⁸² A2c, B1+2c
USA
- Glaucomys sabrinus griseifrons*
Prince of Wales Island Flying Squirrel
EN⁸² A1c+2c, B1+2c
USA
- Marmota caligata sheldoni*
Montague Island Hoary Marmot
DD⁸²
USA
- Marmota caligata vigilis*
Glacier Bay Hoary Marmot
DD⁸²
USA
- Sciurus niger avicennia*
Big Cypress Fox Squirrel
LR⁸² cd
USA



Sciurus niger cinereus
Delmarva Fox Squirrel
LR⁸² cd
USA

Sciurus niger shermani
Sherman's Fox Squirrel
LR⁸² nt
USA

Sciurus niger vulpinus
Eastern Fox Squirrel
DD⁸²
USA

Spermophilus brunneus brunneus
Northern Idaho Ground Squirrel
CR⁸² B1+2d
USA

Spermophilus brunneus endemicus
Southern Idaho Ground Squirrel
VU⁸² B1+3d
USA

Spermophilus elegans nevadensis
Nevada Ground Squirrel
DD⁸²
USA

Spermophilus lateralis wortmanni
Green River Basin Golden-mantled
Ground Squirrel
DD⁸²
USA

Spermophilus parryi kodiacensis
Kodiak Ground Squirrel
DD⁸²
USA

Spermophilus parryi lyratus
St. Lawrence Island Ground Squirrel
DD⁸²
USA

Spermophilus parryi nebulicola
Shumagin Ground Squirrel
DD⁸²
USA

Spermophilus tereticaudus chlorus
Palm Springs Round-tailed
Ground Squirrel
DD⁸²
USA

*Spermophilus tridecemlineatus
alleni*
Big Horn Thirteen-lined Ground
Squirrel
DD⁸²
USA

Tamias minimus atristriatus
Pefiasco Least Chipmunk
CR⁸² A1a, D1
USA

Tamias minimus selkirki
Selkirk Least Chipmunk
VU⁸² D2
Canada

Tamias quadrivittatus australis
Organ Mountains Chipmunk
VU⁸² C2a, D2
USA

Tamias umbrinus nevadensis
Hidden Forest Chipmunk
CR⁸² A1a
USA

Tamias umbrinus sedulus
Henry Mountains Chipmunk
DD⁸²
USA

*Tamiasciurus hudsonicus
grahamensis*
Mount Graham Red Squirrel
CR⁸² C2b
USA

Family CASTORIDAE

Castor canadensis phaeus
Admiralty Island Beaver
DD⁸²
USA

Family GEOMYIDAE

Geomys personatus maritimus
Maritime Pocket Gopher
VU⁸² D2
USA

Geomys personatus streckeri
Carrizo Springs Pocket Gopher
VU⁸² D2
USA

Geomys pinetis cumberlandius
Cumberland Island Picket Gopher
VU⁸² D2
USA

Geomys pinetis fontanelus
Sherman's Pocket Gopher
VU⁸² D2
USA

Geomys pinetis goffi
Goff's Southeastern Pocket Gopher
EX⁸²
USA

Thomomys mazama couchi
Puget Sound Pocket Gopher
VU⁸² B1+2c
USA

Thomomys mazama glacialis
Roy Prairie Pocket Gopher
VU⁸² B1+2c
USA

Thomomys mazama louiei
Cathlamet Pocket Gopher
CR⁸² A1c, C2b
USA

Thomomys mazama pugetensis
Olympia Pocket Gopher
VU⁸² B1+2c
USA

Thomomys mazama tacomensis
Tacoma Pocket Gopher
EX⁸²
USA

Thomomys mazama tumuli
Rocky Prairie Pocket Gopher
VU⁸² B1+2c
USA

Thomomys mazama yelmensis
Yelm Prairie Pocket Gopher
VU⁸² B1+2c
USA

Thomomys talpoides douglasi
Vancouver Pocket Gopher
VU⁸² B1+2c
USA

Family HETEROMYIDAE

Chaetodipus californicus femoralis
Dalzura Pocket Mouse
DD⁸²
Mexico, USA

Chaetodipus fallax fallax
San Diego Pocket Mouse
DD⁸²
Mexico, USA

Chaetodipus fallax pallidus
Mountain Spring Pocket Mouse
DD⁸²
USA

Dipodomys heermanni berkeleyensis
Berkeley Hills Kangaroo Rat
VU⁸² B1+2c
- USA

Dipodomys heermanni morroensis
Morro Bay Kangaroo-rat
CR⁸² B1+2c, D1
USA

Dipodomys merriami collinus
Earthquake Valley Kangaroo Rat
DD⁸²
USA

Dipodomys merriami parvus
San Bernardino Kangaroo Rat
DD⁸²
USA

Dipodomys microps alfredi
Gunnison Island Kangaroo Rat
DD⁸²
USA

Dipodomys microps leucotis
House Rock Valley Kangaroo Rat
VU⁸² B1+2c
USA

Dipodomys nitratoides exilis
Fresno Kangaroo Rat
CR⁸² B1+2c
USA

Dipodomys nitratoides nitratoides
Tipton Kangaroo Rat
CR⁸² A1c
USA

Microdipodops megacephalus atrirelictus
Owyhee River Kangaroo Mouse
VU⁸² D2
USA

Microdipodops megacephalus nexu
Izenhood Kangaroo Mouse
DD⁸²
USA

Microdipodops pallidus restrictus
Soda Spring Valley Kangaroo Mouse
VU⁸² D2
USA

Perognathus alticola alticola
White-eared Pocket Mouse
CR⁸² B1+2b
USA

Perognathus longimembris bangsi
Palm Springs Pocket Mouse
DD⁸²
USA

Perognathus longimembris brevinasus
Los Angeles Pocket Mouse
VU⁸² B1+2c
USA

Perognathus longimembris internationalis
Jacumba Pocket Mouse
DD⁸²
Mexico, USA

Perognathus longimembris pacificus
Pacific Pocket Mouse
CR⁸² B1+2c, C1+2ab
USA

Family **DIPODIDAE**

Zapus hudsonius campestris
Black Hills Meadow Jumping Mouse
VU⁸² B1+2c
USA

Zapus hudsonius preblei
Preble's Meadow Jumping Mouse
EN⁸² B1+2c
USA

Zapus trinotatus orarius
Point Reyes Jumping Mouse
LR⁸² cd
USA

Family **MURIDAE**

Clethrionomys gapperi solus
Revillagigedo Island Red-backed Vole
DD⁸²
USA

Dicrostonyx unalascensis stevensoni
Umnak Island Collared Lemming
DD⁸²
USA

Dicrostonyx unalascensis unalascensis
Unalaska Island Collared Lemming
DD⁸²
USA

Microtus abbreviatus abbreviatus
Hall Island Insular Vole
DD⁸²
USA

Microtus abbreviatus fisheri
St Matthew Island Insular Vole
DD⁸²
USA

Microtus californicus mohavensis
Mojave River Vole
VU⁸² A1d+2d, D2
USA

Microtus californicus scirpensis
Amargosa Vole
VU⁸² B1+3cd
USA

Microtus californicus stephensi
Stephen's California Vole
DD⁸²
USA

Microtus chrotorrhinus carolinensis
Southern Rock Vole
LR⁸² nt
USA

Microtus chrotorrhinus ravus
Labrador Rock Vole
DD⁸²
Canada

Microtus longicaudus bernardinus
San Bernardino Long-tailed Vole
DD⁸²
USA

Microtus longicaudus coronarius
Alexander Islands Long-tailed Vole
DD⁸²
USA

Microtus longicaudus leucophaeus
Mount Graham Long-tailed Vole
DD⁸²
USA

Microtus mogollonensis hualpaiensis
Huaipai Vole
VU⁸² B1+2c, D2
USA

Microtus montanus codiensis
Cody Mountain Vole
DD⁸²
USA

Microtus montanus fucosus
Pahranagat Valley Montane Vole
VU⁸² D2
USA

Microtus montanus nevadensis
Ash Meadows Montane Vole
VU⁸² D2
USA

Microtus montanus zygomaticus
Big Horn Montane Vole
DD⁸²
USA

Microtus oeconomus amakensis
Amak Tundra Vole
DD⁸²
USA

Microtus oeconomus elymocetes
Montague Tundra Vole
DD⁸²
USA

Microtus oeconomus innuitus
St Lawrence Island Tundra Vole
DD⁸²
USA

Microtus oeconomus popofensis
Shumagin Islands Tundra Vole
DD⁸²
USA

Microtus oeconomus punukensis
Punuk Islands Tundra Vole
DD⁸²
USA

Microtus oeconomus sitkensis
Alexander Islands Tundra Vole
DD⁸²
USA

Microtus pennsylvanicus dukecampbelli
Florida Saltmarsh Vole
VU⁸² D2
USA

Microtus pennsylvanicus kincaidi
Potholes Meadow Vole
LR⁸² nt
USA

*Microtus townsendii cowani*

Triangle Island Vole

LR⁸² cd
Canada*Neotoma floridana smalli*

Key Largo Woodrat

EN⁸² C2b
USA*Neotoma fuscipes annectens*

San Francisco Dusky-footed Woodrat

DD⁸²
USA*Neotoma fuscipes luciana*

Monterey Dusky-footed Woodrat

DD⁸²
USA*Neotoma fuscipes riparia*

San Joaquin Valley Woodrat

CR⁸² B1+2c
USA*Neotoma lepida intermedia*

San Diego Desert Woodrat

DD⁸²
Mexico, USA*Onchomys leucogaster durranti*

Durrant's Northern Grasshopper Mouse

DD⁸²
USA*Onchomys torridus ramona*

Southern Grasshopper Mouse

DD⁸²
Mexico, USA*Onchomys torridus tularensis*

Tulare Grasshopper Mouse

DD⁸²
USA*Ondatra zibethicus ripensis*

Rio Grande Muskrat

DD⁸²
Mexico, USA*Onychomys leucogaster durranti*

Durrant's Northern Grasshopper Mouse

DD⁸²
USA*Onychomys torridus ramona*

Southern Grasshopper Mouse

DD⁸²
Mexico, USA*Onychomys torridus tularensis*

Tulare Grasshopper Mouse

DD⁸²
USA*Oryzomys palustris natator*

Marsh Rice Rat

DD⁸²
USA*Peromyscus gossypinus allapaticola*

Key Largo Cotton Mouse

VU⁸² D2
USA*Peromyscus gossypinus restrictus*

Chadwick Beach Cotton Mouse

EX⁸²
USA*Peromyscus leucopus ammodytes*

Monomy White-footed Mouse

DD⁸²
USA*Peromyscus polionotus allophrys*

Choctawhatchee Beach Mouse

EN⁸² B1+2c
USA*Peromyscus polionotus ammobates*

Alabama Beach Mouse

EN⁸² B1+2c
USA*Peromyscus polionotus decoloratus*

Ponce de Leon Beach Mouse

EX⁸²
USA*Peromyscus polionotus leucocephalus*

Santa Rosa Beach Mouse

LR⁸² nt
USA*Peromyscus polionotus peninsularis*

St Andrews Beach Mouse

EN⁸² B1+2c
USA*Peromyscus polionotus phasma*

Anastasia Island Beach Mouse

EN⁸² B1+2c
USA*Peromyscus polionotus trissyllepsis*

Perdido Key Beach Mouse

CR⁸² B1+2c
USA*Reithrodontomys raviventris**halicoetes*

Salt-marsh Harvest Mouse

LR⁸² cd
USA*Reithrodontomys raviventris**raviventris*

Red-bellied Harvest Mouse

EN⁸² A2c, B1+2c
USA*Sigmodon arizonae arizonae*

Arizona Cotton Rat

EX⁸²
USA*Sigmodon fulviventris goldmani*

Hot Springs Cotton Rat

EX⁸²
USA*Synaptomys cooperi paludis*

Kansas Bog Lemming

EX⁸²
USA*Synaptomys cooperi relictus*

Nebraska Bog Lemming

EX⁸²
USA

Order LAGOMORPHA

Family OCHOTONIDAE

*Ochotona alpina haffmanni*VU¹⁰⁴ D2
Mongolia*Ochotona cansus morosa*DD¹⁰⁴
China*Ochotona cansus sorella*EN¹⁰⁴ A2d
China*Ochotona pallasi hamica*CR¹⁰⁴ A1a+2d
China, Mongolia*Ochotona pallasi sunidica*EN¹⁰⁴ A2d
China*Ochotona princeps goldmani*VU¹⁰⁴ D1
USA*Ochotona princeps lasalensis*VU¹⁰⁴ D1
USA*Ochotona princeps nevadensis*VU¹⁰⁴ D1
USA*Ochotona princeps nigrescens*VU¹⁰⁴ D1
USA*Ochotona princeps obscura*VU¹⁰⁴ B1+2c
USA*Ochotona princeps sheltoni*VU¹⁰⁴ D1
USA*Ochotona princeps tutelata*VU¹⁰⁴ B1+2c
USA*Ochotona thibetana huangensis*EN¹⁰⁴ A2d
China*Ochotona thibetana sikimaria*CR¹⁰⁴ A1ac
India

Family **LEPORIDAE**

Sylvilagus palustris hefneri

Lower Keys Marsh Rabbit

EN ¹⁰⁴ A1ab, B1+2cd, C2a, D1
USA

Class **REPTILIA**

Order **SAURIA**

Family **AGAMIDAE**

Tympanocryptis lineata pinguicolla

South-eastern Lined Earless Dragon

VU ¹⁴ A1c, B1+2c
Australia

Family **IGUANIDAE**

Cyclura carinata bartschi

Booby Cay Ground Iguana

CR ⁷³ B1+2bce, C2b
Bahamas

Cyclura carinata carinata

Turks and Caicos Ground Iguana

CR ⁷³ B1+2abede
Turks and Caicos Islands

Cyclura cornuta cornuta

VU ¹²⁶ A1acde

Dominican Republic, Haiti

Cyclura cornuta stejnejeri

EN ¹⁸² A1cde+2ce
Puerto Rico

Cyclura cyclura cyclura

Andros Island Rock Iguana

VU ²³ A1ace, B1+2b, C1
Bahamas

Cyclura cyclura figginsi

Exuma Island Rock Iguana

EN ²³ C1
Bahamas

Cyclura cyclura inornata

Allen's Cay Rock Iguana

EN ²³ B1+2c
Bahamas

Cyclura nubila caymanensis

Cayman Island Ground Iguana

CR ⁷³ B1+2abede
Cayman Islands

Cyclura nubila lewisi

Cayman Island Ground Iguana

CR ⁷³ B1+2bce, C2b
Cayman Islands

Cyclura nubila nubila

Cuban Ground Iguana

VU ⁴ A1acde+2ce
Cuba

Cyclura rileyi cristata

San Salvador Rock Iguana

CR ³⁹ B1+2e, C2b
Bahamas

Cyclura rileyi nuchalis

San Salvador Rock Iguana

EN ³⁹ B1+2c, C2a
Bahamas

Cyclura rileyi rileyi

San Salvador Rock Iguana

EN ³⁹ C2a
Bahamas

Family **LACERTIDAE**

Lacerta vivipara pannonica

VU ⁶⁵ B1+2bcd, C2a
Austria, Hungary

Family **PYGOPODIDAE**

Aprasia rostrata rostrata

Hermite Island Worm-lizard

VU ¹⁴ D2
Australia

Family **SCINCIDAE**

Egernia pulchra longicauda

Jurien Bay Rock-skink

VU ¹⁴ D2
Australia

Egernia stokesii aethiops

VU ¹⁴ D2
Australia

Egernia stokesii badia

EN ¹⁴ A1c
Australia

Eulamprus tympanum marnieae

EN ¹⁴ B1+2c
Australia

Order **SERPENTES**

Family **BOIDAE**

Epicrates monensis granti

Virgin Islands Boa

EN ¹⁷⁴ B1+2bcde
Puerto Rico, Virgin Islands (British),
Virgin Islands (US)

Epicrates monensis monensis

Mona Island Boa

EN ¹⁷⁴ C2b
Puerto Rico

Morelia spilota imbricata

Western Australian Carpet Python

LR ¹⁴ nt
Australia

Family **COLUBRIDAE**

Natrix natrix cetti

Sardinian Grass Snake

CR ⁶⁵ A1ac, B1+2abede, C2a
Italy

Natrix natrix schweizeri

CR ⁶⁵ A1bcd+2bcd, B1+2bce, C2a
Greece

Family **ELAPIDAE**

Notechis ater ater

Kreff's Tiger Snake

VU ¹⁴ B1+2c
Australia

Family **VIPERIDAE**

Vipera ursinii moldavica

CR ⁶⁵ B1+2abede, C1+2a
Romania

Vipera ursinii rakosiensis

Orsini's Viper

EN ⁶⁵ B1+2bcde, C2a
Austria (ex?), Hungary

Order **TESTUDINES**

Family **CHELONIIDAE**

Chelonia mydas

Green Turtle

(Mediterranean population)

CR ⁵ A1a, B1+2ce, E
Cyprus, Turkey

[Mediterranean and Black Sea]

Family **TESTUDINIDAE**

Geochelone nigra abingdoni

Abingdon Island Tortoise

EW ¹⁷⁶
Ecuador (Galápagos Is)

Geochelone nigra becki

Volcan Wolf Tortoise

VU ¹⁷⁶ D1+2
Ecuador (Galápagos Is)

Geochelone nigra chathamensis

Chatham Island Tortoise

VU ¹⁷⁶ D1+2
Ecuador (Galápagos Is)

Geochelone nigra darwini

James Island Tortoise

EN ¹⁷⁶ C2a
Ecuador (Galápagos Is)

Geochelone nigra ephippium

Duncan Island Tortoise

EW ¹⁷⁶
Ecuador (Galápagos Is)

Geochelone nigra galapagoensis

Charles Island Tortoise

EX ¹⁷⁶
Ecuador (Galápagos Is)

***Geochelone nigra guntheri***

Sierra Negra Tortoise

EN¹⁷⁶ C2a

Ecuador (Galápagos Is)

Geochelone nigra hoodensis

Hood Island Tortoise

CR¹⁷⁶ D1

Ecuador (Galápagos Is)

Geochelone nigra microphyes

Volcan Darwin Tortoise

VU¹⁷⁶ D1+2

Ecuador (Galápagos Is)

Geochelone nigra porteri

Indefatigable Island Tortoise

EN¹⁷⁶ C2a

Ecuador (Galápagos Is)

Geochelone nigra vandenburghi

Volcan Alcedo Tortoise

VU¹⁷⁶ D2

Ecuador (Galápagos Is)

Geochelone nigra vicina

Iguana Cove Tortoise

EN¹⁷⁶ C2a

Ecuador (Galápagos Is)

Testudo graeca nikolskiiCR⁶⁵ A1abcde+2bcde

Georgia, Russia

Family **TRIONYCHIDAE*****Trionyx triunguis***

African Softshell Turtle

(Mediterranean population)

CR⁵ C2a

Israel, Lebanon, Syria, Turkey

Class **AMPHIBIA**Order **ANURA**Family **HYLIDAE*****Litoria verreauxii alpina***

Whistling Tree Frog

VU¹⁴ A1ac

Australia

Family **PELOBATIDAE*****Pelobates fuscus insubricus***

Italian Spadefoot Toad

EN⁶⁵ A1c, B1+2cd

Italy, Switzerland

Order **CAUDATA**Family **SALAMANDRIDAE*****Salamandra atra aurorae***

Golden Salamander

CR⁶⁵ B1+2bc

Italy

Class **ACTINOPTERYGII**Order **ACIPENSERIFORMES**Family **ACIPENSERIDAE*****Acipenser baerii baerii***

Siberian Sturgeon

EN¹⁷⁰ A2d

Russia

[R. Ob, R. Taz]

Acipenser baerii baikalensis

Baikal Sturgeon

EN¹⁷⁰ A1ace

Russia

[L. Baikal]

Acipenser baerii stenorrhynchus

Lena River Sturgeon

VU¹⁷⁰ A2d

Russia

[R. Yenisei, R. Lena and east Siberian rivers]

Acipenser gueldenstaedti (S)

Russian Sturgeon

(Caspian Sea stock)

EN¹⁷⁰ A2d

Azerbaijan, Iran, Kazakhstan, Russia, Turkmenistan

Acipenser gueldenstaedti (S)

Russian Sturgeon

(Sea of Azov stock)

EN¹⁷⁰ A1acde+2d

Russia

[Mediterranean and Black Sea]

Acipenser gueldenstaedti (S)

Russian Sturgeon

(Black Sea stock)

EN¹⁷⁰ A1acde

Hungary, Romania, Ukraine, Yugoslavia

[Mediterranean and Black Sea]

Acipenser nudiventris (S)

Ship Sturgeon

(Black Sea stock)

EN¹⁷⁰ A1acde+2d

Russia, Ukraine

[Mediterranean and Black Sea]

Acipenser nudiventris (S)

Ship Sturgeon

(Caspian Sea stock)

EN¹⁷⁰ A1acde+2d

Azerbaijan, Iran, Kazakhstan

Acipenser nudiventris (S)

Ship Sturgeon

(Aral Sea stock).

EX¹⁷⁰

Kazakhstan, Uzbekistan

[Mediterranean and Black Sea]

Acipenser nudiventris (S)

Ship Sturgeon

(R. Danube population)

CR¹⁷⁰ A1cd+2cd

Hungary, Romania

Acipenser oxyrinchus desotoi

Gulf Sturgeon

LR¹⁷⁰ nt

Mexico, USA

[Atlantic (western central)]

Acipenser oxyrinchus oxyrinchus

Atlantic Sturgeon

LR¹⁷⁰ nt

Canada, USA

[Atlantic (northwest, western central)]

Acipenser persicus (S)

Persian Sturgeon

(Black Sea stock)

EN¹⁷⁰ A1ac

Georgia, Russia, Turkey

[Mediterranean and Black Sea]

Acipenser persicus (S)

Persian Sturgeon

(Caspian Sea stock)

VU¹⁷⁰ A1acde

Azerbaijan, Iran, Russia

Acipenser ruthenus (S)

Sterlet

(Caspian and Black Sea drainage stock)

VU¹⁷⁰ A1cd

Hungary, Romania, Russia, Ukraine, Yugoslavia

[Mediterranean and Black Sea]

Acipenser ruthenus (S)

Sterlet

VU¹⁷⁰ A1c

Russia

[R. Irtysh, R. Ob, R. Yenisei]

Acipenser stellatus (S)

Stellate Sturgeon

(Caspian Sea stock)

VU¹⁷⁰ A1acde+2d

Azerbaijan, Iran, Kazakhstan, Russia, Turkmenistan

Acipenser stellatus (S)

Stellate Sturgeon

(Sea of Azov stock)

EN¹⁷⁰ A2d

Russia

[Mediterranean and Black Sea]

Acipenser stellatus (S)

Stellate Sturgeon

(Black Sea stock)

EN¹⁷⁰ A1acde+2d

Hungary, Romania, Ukraine, Yugoslavia

[Mediterranean and Black Sea]

Acipenser transmontanus (S)

White Sturgeon
 EN¹⁷⁰ A1a, B1+2ce
 USA
 [R. Kootenai]

Huso huso (S)

Beluga
 (Sea of Azov stock)
 CR¹⁷⁰ A1acde+2d
 Russia
 [Mediterranean and Black Sea]

Huso huso (S)

Beluga
 (Black Sea stock)
 EN¹⁷⁰ A1acde+2d
 Hungary, Romania, Russia, Ukraine,
 Yugoslavia
 [Mediterranean and Black Sea]

Huso huso (S)

Beluga
 (Caspian Sea stock)
 EN¹⁷⁰ A1acde+2d
 Azerbaijan, Iran, Kazakhstan,
 Russia, Turkmenistan

Huso huso (S)

Beluga
 (Adriatic Sea stock)
 EX¹⁷⁰
 Italy
 [Mediterranean and Black Sea]

Order **CLUPEIFORMES**

Family **CLUPEIDAE**

Clupeonella abrau muhlisi

VU¹⁸⁵ B1+2c
 Turkey

Order **CYPRINIFORMES**

Family **CYPRINIDAE**

Carassius carassius (S)

Crucian Carp
 LR¹⁰¹ nt
 Austria, Belarus, Belgium, Bosnia
 and Herzegovina?, Bulgaria, Croatia,
 Czech Republic, Denmark, Estonia,
 Finland, France, Germany, Greece,
 Hungary, Italy, Latvia, Lithuania,
 Luxembourg, Moldova, Netherlands,
 Poland, Romania, Russia, Slovakia,
 Slovenia, Sweden, Switzerland,
 Turkey, Ukraine, United Kingdom,
 Yugoslavia

Cyprinus carpio (S)

Wild Common Carp
 CR¹⁰¹ A2ce
 Austria, Bulgaria, Croatia, Hungary,
 Romania, Slovakia, Slovenia,
 Yugoslavia
 [R. Danube]

Phoxinellus zeregii fahirae

Incilevrek Baligi
 VU¹⁸⁵ D2
 Turkey

Phoxinellus zeregii meandri

Ot Baligi
 LR¹⁸⁵ nt
 Turkey

Puntius asoka

Asoka Barb
 EN¹³⁴ A1c, B1+2c
 Sri Lanka

Rhodeus atremius suigensis

Suigen Zenitanago
 DD¹⁸⁵
 Japan

Rhodeus ocellatus smithi

Nippon Baratanago
 CR¹⁸⁵ A1ae, B1+2e
 Japan

Order **CHARACIFORMES**

Family **CHARACIDAE**

Astyanax mexicanus jordani

Sardina Ciega
 VU⁴⁹ A1ac+2c, B1+2c, D2
 Mexico

Order **SALMONIFORMES**

Family **PLECOGLOSSIDAE**

Plecoglossus altivelis ryukyuensis

Ryukyu Ayu-fish
 EN¹⁸⁵ A1ac, B2abce+3abc
 Japan (Nansei-shoto)

Family **SALMONIDAE**

Stenodus leucichthys leucichthys

Beloribitsa
 EN¹⁸⁵ C1
 Azerbaijan?, Kazakhstan, Russia

Order **CYPRINODONTIFORMES**

Family **POECILIIDAE**

Poeciliopsis occidentalis sonorensis

VU⁴⁹ A1a+2bc, B1+2c
 Mexico

Order **GASTEROSTEIFORMES**

Family **PEGASIDAE**

Eurypegasus draconis (S)

VU¹⁷⁸ A2d
 Madagascar
 [Indian Ocean (eastern, western),
 Pacific (northwest, western central)]

Pegasus volitans (S)

(South China Sea stock)
 VU¹⁷⁸ A2d
 [Pacific (northwest)]

Pegasus volitans (S)

(Philippines stock)
 VU¹⁷⁸ A2d
 [Pacific (northwest)]

Order **PERCIFORMES**

Family **PERCICHTHYIDAE**

Maccullochella peelii mariensis

Mary River Cod
 CR¹⁷⁹ C2a
 Australia
 [R. Mary]

Family **CICHLIDAE**

Cichlasoma urophthalmus ericymba

Mojarra de Bulha
 DD⁴⁹
 Mexico

Harpagochromis guiarti complex

CR⁹⁷ A1ace, B1+2acd
 Uganda
 [L. Victoria]

Sarotherodon galileus "Ejagham"

VU¹⁶⁸ D2
 Cameroon
 [L. Ejagham]

Family **XIPHIIDAE**

Xiphias gladius (C)

(S)Times-BoldItalic"P9
 Swordfish
 (North Atlantic stock)
 EN¹⁵¹ A1bd
 [Atlantic (eastern central, northeast,
 northwest, western central)]

Family **SCOMBRIDAE**

Thunnus alalunga (C) (S)

Albacore Tuna
 (North Atlantic stock)
 VU¹⁷⁷ A1bd
 [Atlantic (eastern central, northeast,
 northwest, western central)]

Thunnus alalunga (C) (S)

Albacore Tuna
 (South Atlantic stock)
 CR¹⁷⁷ A1bd
 [Atlantic (Antarctic, southeast,
 southwest)]

Thunnus obesus (C) (S)

Bigeye Tuna
 (Pacific stock)
 EN¹⁷⁷ A1bd



[Pacific (eastern central, northeast, northwest, southeast, southwest, western central)]

Thunnus thynnus (C) (S)
Northern Bluefin Tuna
(Western Atlantic stock)

CR¹⁵¹ A1bd
[Atlantic (northwest, southwest, western central)]

Thunnus thynnus (C) (S)
Northern Bluefin Tuna
(Eastern Atlantic stock)

EN¹⁵¹ A1bd
[Atlantic (eastern central, northeast, southeast)]

Class CRUSTACEA

Order AMPHIPODA

Family HADZIIDAE

Hadzia fragilis stochi
VU¹⁵⁹ D2
Italy

Family NIPHARGIDAE

Niphargus elegans zagrebensis
EN¹⁵⁹ B1+2bcde
Croatia, Slovenia

Niphargus ilidzensis slovenicus
VU¹⁵⁹ D2
Slovenia

Niphargus orcinus orcinus
VU¹⁵⁹ D2
Italy, Slovenia

Niphargus stygius stygius
VU¹⁵⁹ D2
Italy, Slovenia

Order DECAPODA

Family CAMBARIDAE

Orconectes australis packardi
VU⁷ B1+2c
USA

Orconectes inermis testii
VU⁷ B1+2c
USA

Orconectes meeki brevis
VU⁷ B1+2c
USA

Procambarus lucifugus alachua
Alachua Light-fleeing Cave Crayfish
VU⁷ B1+2c, D1
USA

Procambarus lucifugus lucifugus
Withlococoochee Light-fleeing Cave
Crayfish
EN⁷ B1+2c
USA

Procambarus rogersi campestris
VU⁷ B1+2c
USA

Procambarus rogersi expletus
CR⁷ B1+2c
USA

Procambarus rogersi ochlocknensis
VU⁷ B1+2c, D1
USA

Procambarus rogersi rogersi
VU⁷ B1+2c, D1
USA

Order ISOPODA

Family ASELLIDAE

Asellus aquaticus carniolicus
EN¹⁵⁹ A2e, B1+2c
Slovenia

Asellus aquaticus cavernicolus
VU¹⁵⁹ D2
Italy, Slovenia

Asellus aquaticus cyclobranchialis
EN¹⁵⁹ B1+2c
Slovenia

Proasellus parvini orientalis
VU¹⁵⁹ D2
Slovenia

Family SPHAEROMATIDAE

Monolistra racovitzae conopyge
EN¹⁵⁹ B1+2c
Slovenia

Family TRICHONISCIDAE

Androniscus stygius dentatus
VU¹⁵⁹ D2
Slovenia

Class INSECTA

Order LEPIDOPTERA

Family NYMPHALIDAE

Danaus affinis jimienis
VU¹⁰⁵ D2
Papua New Guinea

Danaus melanippus keteus
VU¹⁰⁵ B1+2c
Indonesia

Euploea algea abjecta
Outcast Crow
VU¹⁰⁵ B1+2c
Palau

Euploea algea eleutho
VU¹⁰⁵ D2
Guam

Euploea algea schmeltzi
VU¹⁰⁵ B1+2c
Western Samoa

Euploea crameri albomaculata
VU¹⁰⁵ D2
Indonesia

Euploea mulciber elwesii
VU¹⁰⁵ B1+2c
Indonesia

Euploea radamanthus schreiberi
VU¹⁰⁵ B1+2c
Indonesia

Paratica weiskei thalassina
VU¹⁰⁵ B1+2c
Indonesia

Tirumala choaspes tumanana
Sarangani Tiger
VU¹⁰⁵ D2
Philippines

Order ODONATA

Family AESHNIDAE

Planaeschna ishigakiana ishigakiana
EN¹²³ B1+2c
Japan

Planaeschna ishigakiana nagaminei
EN¹²³ B1+2c
Japan (Nansei-shoto)

Planaeschna risi sakishimana
EN¹²³ B1+2c
Japan

Family CALOPTERYGIDAE

Matrona basilaris japonica
EN¹²³ B1+2c
Japan (Nansei-shoto)

Family COENAGRIONIDAE

Coenagrion hylas freyi
Frey's Damselfly
CR¹²³ B1+2c
Austria, Germany, Switzerland

Megalagrion amaurodytum peles
Pele Damselfly
CR¹²³ B1+2c
USA (Hawaiian Is)

Seychellibasis alluaudi alluaudi
CR¹²³ B1+2c
Seychelles

Family CORDULEGASTERIDAE

Chlorogomphus brevistigmata okinawanus
EN¹²³ B1+2c
Japan (Nansei-shoto)

Chlorogomphus brunneus brunneus
EN¹²³ B1+2c
Japan (Nansei-shoto)

*Chlorogomphus brunneus
keramensis*

CR¹²³ B1+2c
Japan (Nansei-shoto)

Family CORDULIIDAE

Hemicordulia mindana nipponica

EN¹²³ B1+2c
Japan

Family EUPHAEIDAE

Bayadera brevicauda ishigakiana

EN¹²³ B1+2c
Japan

Family GOMPHIDAE

*Asiagomphus amamiensis
amamiensis*

EN¹²³ B1+2c
Japan (Nansei-shoto)

*Asiagomphus amamiensis
okinawanus*

EN¹²³ B1+2c
Japan (Nansei-shoto)

*Erpetogomphus lampropeltis
lampropeltis*

EN¹²³ B1+2c
USA

*Ophiogomphus incurvatus
alleganiensis*

Alleghany Snaketail Dragonfly
VU¹²³ A2c
USA

Stylogomphus ryukyuensis asatoi

EN¹²³ B1+2c
Japan (Nansei-shoto)

*Stylogomphus ryukyuensis
watanabei*

EN¹²³ B1+2c
Japan (Nansei-shoto)

Family LIBELLULIDAE

Eleuthemis beutikoferi quadrigutta

DD¹²³
Mozambique, Zimbabwe

Leucorrhinia intermedia ijimai

EN¹²³ B1+2c
Japan

Orthetrum poecilops miyajimaense

EN¹²³ B1+2c
Japan

Family PLATYCNEMIDAE

Coeliccia flavicauda masakii

EN¹²³ B1+2c
Japan

Coeliccia ryakyuensis amamii

EN¹²³ B1+2c
Japan (Nansei-shoto)

Coeliccia ryakyuensis ryukyuensis

EN¹²³ B1+2c
Japan (Nansei-shoto)

Class BIVALVIA

Order UNIONOIDA

Family MARGARITIFERIDAE

*Margaritifera margaritifera
durrovensis*

CR¹¹⁵ A1ce+2e
Ireland

Family UNIONIDAE

Epioblasma florentina curtisi

CR²⁴ A1ce
USA

Epioblasma obliquata obliquata

EN²⁴ A2c
USA

Epioblasma obliquata perobliqua

CR²⁴ A1ce
USA

Epioblasma torulosa gubernaculum

CR²⁴ A1c
USA

Epioblasma torulosa rangiana

CR²⁴ A1c
USA

Epioblasma torulosa torulosa

CR²⁴ A1c
USA

Lampsilis reeviana brevicula

LR²⁴ nt
USA

Lampsilis reeviana reeviana

VU²⁴ A2c
USA

Lampsilis straminea claibornensis

LR²⁴ nt
USA

Lampsilis straminea straminea

LR²⁴ nt
USA

Lasmigona complanata alabamensis

LR²⁴ nt
USA

Quadrula cylindrica cylindrica

LR²⁴ nt
USA

Class GASTROPODA

Order

ARCHAEOGASTROPODA

Family HELICINIDAE

Pleuropoma zigzac ponapense

DD¹¹⁵
Federated States of Micronesia

Pleuropoma zigzac zigzac

DD¹¹⁵
Federated States of Micronesia

Order MESOGASTROPODA

Family CYCLOPHORIDAE

Maizania hildebrandti thikensis

EN¹⁷² B1+2ac
Kenya

Family HYDROBIIDAE

Mexipyrigus churinceanus carranzae

Mexipyrigus de Carranza Snail
VU¹⁵⁴ D2
Mexico

*Mexipyrigus churinceanus
churinceanus*

Mexipyrigus de Churince Snail
VU¹⁵⁴ D2
Mexico

*Mexipyrigus churinceanus
escobeda*

Mexipyrigus de Escobeda Snail
VU¹⁵⁴ D2
Mexico

Mexipyrigus churinceanus lugo

Mexipyrigus de Lugo Snail
VU¹⁵⁴ D2
Mexico

*Mexipyrigus churinceanus
mojarralis*

Mexipyrigus de West El Mojarral Snail
VU¹⁵⁴ D2
Mexico

*Mexipyrigus churinceanus
multilineatus*

Mexipyrigus de East El Mojarral Snail
VU¹⁵⁴ D2
Mexico

Order STYLOMMATOPHORA

Family ACHATINELLIDAE

Achatinella apexfulva vittata

EX¹¹⁵
USA (Hawaiian Is)

Achatinella bulimoides rosea

EX¹¹⁵
USA (Hawaiian Is)

Family ALYCAEIDAE

- Chamalychaeus itonis nakashimai*
DD¹¹⁵
Japan

Family BRADYBAENIDAE

- Chlorilis hungerfordiana rufopila*
VU¹⁸⁰ D2
Hong Kong
- Euhadra scaevola mikawa*
DD¹¹⁵
Japan

Family BULIMULIDAE

- Tornigenus gibberulus Digerus*
EX¹⁰⁸
Brazil
- Tornigenus turbinatus Biolocus*
EX¹⁰⁸
Brazil

Family CAMAENIDAE

- Glyptorhagada wilkawillina umbilicata*
LR¹⁶¹ nt
Australia

Family CLAUSILIDAE

- Alopias bielzii clathrata*
LR¹⁶⁷ nt
Slovakia
- Macrogastrea lineolata euzieriana*
LR¹¹⁵ nt
France

Family HELICIDAE

- Leptaxis erubescens portosancti*
VU¹¹⁵ D2
Portugal (Madeira)

Family

HELMINTHOGLYPTIDAE

- Eremarionta indioensis cathedralis*
Cathedral Desert Snail
DD¹¹⁵
USA
- Eremarionta rowelli bakerensis*
Baker Desert Snail
DD¹¹⁵
USA
- Eremarionta rowelli mccoiana*
McCoy Desert Snail
DD¹¹⁵
USA
- Helminthoglypta arrosa pomoensis*
DD¹¹⁵
USA

Helminthoglypta expansilabris mattolensis

- Cape Shoulderband
DD¹¹⁵
USA

Helminthoglypta nickliniana awania

- Nicklin's Peninsula Snail
DD¹¹⁵
USA

Helminthoglypta nickliniana bridgesi

- DD¹¹⁵
USA

Helminthoglypta nickliniana contracosta

- DD¹¹⁵
USA

Helminthoglypta sequoicola consors

- DD¹¹⁵
USA

Helminthoglypta stiversiana miwoka

- Dented Peninsula Snail
DD¹¹⁵
USA

Helminthoglypta stiversiana williamsi

- DD¹¹⁵
USA

Monadenia fidelis minor

- DD¹¹⁵
USA

Monadenia fidelis pronotis

- Rocky Coast Sideband
DD¹¹⁵
USA

Monadenia mormonum buttoni

- DD¹¹⁵
USA

Monadenia mormonum hirsuta

- DD¹¹⁵
USA

Monadenia yosemitensis yosemitensis

- Indian Yosemite Snail
DD¹¹⁵
USA

Family OROHELICIDAE

- Oreohelix idahoensis idahoensis*
Idaho Banded Mountain Snail
DD¹¹⁵
USA

- Oreohelix strigosa goniogyra*
Carinated Striate Banded Mountain Snail
DD¹¹⁵
USA

Family ORTHALICIDAE

- Placostylus bivaricosus etheridgei*
EX¹³⁸
Australia

Family PARTULIDAE

- Partula suturalis*
Sutural Partula
EX¹¹⁵
French Polynesia
- Partula suturalis strigosa*
EW¹¹⁵
French Polynesia
- Partula suturalis vexillum*
EW¹¹⁵
French Polynesia
- Partula taeniata*
EX¹¹⁵
French Polynesia
- Partula taeniata elongata*
EW¹¹⁵
French Polynesia
- Partula taeniata nucleola*
EW¹¹⁵
French Polynesia
- Partula taeniata simulans*
EW¹¹⁵
French Polynesia

Family POLYGYRIDAE

- Mesodon clarki nantahala*
Noonday Snail
DD¹¹⁵
USA
- Mesodon clausus trassulus*
Banded Mesodon
DD¹¹⁵
USA
- Stenotrema leai cheatumi*
DD¹¹⁵
USA

Family STREPTAXIDAE

- Gulella conradti reductidentata*
DD¹⁷²
Tanzania
- Gulella gouldi globulosa*
DD¹⁷²
Tanzania
- Gulella gwendoliniae mkusiensis*
DD¹⁷²
Tanzania
- Gulella lornae lornae*
DD¹⁷²
Tanzania

Subspecies and populations

Gulella lornae major

DD¹⁷²

Tanzania

Gulella subhyalina addita

DD¹⁷²

Tanzania

Gulella usagarica msambaa

DD¹⁷²

Tanzania

Gulella usagarica satura

DD¹⁷²

Tanzania

Tayloria urguessensis subangulata

EN¹⁷² B1+2ac

Kenya

Family SUBULINIDAE

Opeas nothapalinus crenatum

DD¹⁷²

Tanzania

Pseudoglessula leroyi fasciata

DD¹⁷²

Tanzania

List 7

Taxa removed from the 1996 Red List

Part 1 : Taxa listed in 1994, now Lower Risk : least concern

Class **MAMMALIA**

Order **DIPROTODONTIA**

Family **PHALANGERIDAE**

Phalanger lullulae

Woodlark Island Cuscus

Spilocuscus kraemeri

Admiralty Cuscus

Family **MACROPODIDAE**

Petrogale lateralis

Black-footed Rock-wallaby

Order **INSECTIVORA**

Family **TENRECIDAE**

Geogale aurita

Large-eared Tenrec

Microgale brevicaudata

Short-tailed Shrew-tenrec

Microgale longicaudata

Lesser Long-tailed Shrew-tenrec

Family **CHRYSOCHLORIDAE**

Amblysomus iris

Zulu Golden Mole

Calcochloris obtusirostris

Yellow Golden Mole

Family **ERINACEIDAE**

Atelerix frontalis

South African Hedgehog

Family **SORICIDAE**

Crocidura crenata

Crocidura grassei

Crocidura lanosa

Crocidura manengubae

Crocidura maquassiensis

Makwassie Musk Shrew

Crocidura nimbae

Paracrocidura maxima

Sylvisorex ollula

Sylvisorex vulcanorum

Order **CHIROPTERA**

Family **PTEROPODIDAE**

Pteropus anetianus

White Flying-fox

Order **PRIMATES**

Family **LEMURIDAE**

Eulemur fulvus albifrons

White-fronted Lemur

Eulemur fulvus fulvus

Brown Lemur

Eulemur fulvus rufus

Red-fronted Lemur

Haplemur griseus griseus

Grey Gentle Lemur

Family **MEGALADAPIDAE**

Lepilemur edwardsi

Milne-Edwards' Sportive Lemur

Lepilemur leucopus

White-footed Sportive Lemur

Lepilemur microdon

Light-necked Sportive Lemur

Lepilemur mustelinus

Greater Sportive Lemur

Lepilemur ruficaudatus

Red-tailed Sportive Lemur

Family **INDRIDAE**

Avahi laniger

Woolly Lemur

Family **GALAGONIDAE**

Galagoides thomasi

Thomas's Dwarf Galago

Family **CALLITRICHIDAE**

Callithrix intermedia

Aripuanã Marmoset

Callithrix kuhli

Wied's Marmoset

Saguinus fuscicollis leucogenys

Andean Saddle-back Tamarin

Saguinus tripartitus

Golden-mantled Saddle-back

Tamarin

Family **CEBIDAE**

Alouatta palliata aequatorialis

South Pacific Blackish Howling
Monkey

Alouatta pigra

Guatemalan Howler

Ateles geoffroyi

Geoffroy's Spider Monkey

Ateles paniscus

Black Spider Monkey

Cacajao melanocephalus

Black Uakari

Callicebus torquatus lucifer

Widow Monkey

Chiropotes albinasus

White-nosed Bearded Saki

Lagothrix lagotricha

Common Woolly Monkey

Pithecia aequatorialis

Equatorial Saki

Order **CARNIVORA**

Family **CANIDAE**

Canis lupus

Grey Wolf

Dusicyon griseus

Grey Zorro

Family **FELIDAE**

Felis margarita

Sand Cat

Leopardus wiedii

Margay

Oncifelis colocolo

Pampas Cat

Otocolobus manul

Pallas's Cat

Profelis aurata

African Golden Cat

Family **HYAENIDAE**

Hyaena brunnea

Brown Hyaena

Family OTARIIDAE

Neophoca cinerea
Australian Sea Lion

Family PHOCIDAE

Phoca vitulina stejnegeri
Western Pacific Harbour Seal

Order CETACEA

Family NEOBALAENIDAE

Caperea marginata
Pygmy Right Whale

Family DELPHINIDAE

Delphinus delphis
Common Dolphin

Globicephala melas
Long-finned Pilot Whale

Lagenorhynchus acutus
Atlantic White-sided Dolphin

Lagenorhynchus albirostris
White-beaked Dolphin

Lagenorhynchus cruciger
Hourglass Dolphin

Lagenorhynchus obliquidens
Pacific White-sided Dolphin

Lissodelphis borealis
Northern Right Whale Dolphin

Peponocephala electra
Melon-headed Whale

Pseudorca crassidens
False Killer Whale

Family PHYSETERIDAE

Kogia breviceps
Pygmy Sperm Whale

Kogia simus
Dwarf Sperm Whale

Order PERISSODACTYLA

Family EQUIDAE

Equus kiang holdereri
Eastern Kiang

Order ARTIODACTYLA

Family BOVIDAE

Rupicapra rupicapra balcanica
Balkan Chamois

Order RODENTIA

Family SCIURIDAE

Pteromys momonga
Small Japanese Flying-squirrel

Family GEOMYIDAE

Thomomys umbrinus emotus
Southern Pocket Gopher

Family HETEROMYIDAE

Perognathus inornatus psammophilus
Salinas Pocket Mouse

Family DIPODIDAE

Zapus hudsonius luteus
Meadow Jumping Mouse

Family MURIDAE

Aethomys silindensis
Selinda Veld Rat

Batomys granti
Luzon Forest Rat

Delanymys brooksi
Delany's Mouse

Eliurus minor

Gerbillus acticola

Gerbillus muriculus

Gerbillus rosalinga

Heimyscus fumosus

Hylomyscus baeri

Hylomyscus parvus

Malacomys verschureni

Microtus breweri
Beach Vole

Peromyscus polionotus niveiventris
Southeastern Beach Mouse

Sigmodon arizonae plenus
Colorado River Cotton Rat

Thamnomys venustus

Wilfredomys oenax

Zelotomys woosnami

Order LAGOMORPHA

Family OCHOTONIDAE

Ochotona alpina nitida

Ochotona nubrica

Nubra Pika

Family LEPORIDAE

Lepus othus
Alaskan Hare

Class AVES

Order FALCONIFORMES

Family ACCIPITRIDAE

Milvus milvus
Red Kite

Family FALCONIDAE

Micrastur buckleyi
Buckley's Forest-Falcon

Order GRUIFORMES

Family OTIDIDAE

Chlamydotis undulata
Houbara Bustard

Order PSITTACIFORMES

Family PSITTACIDAE

Pezoporus wallicus
Ground Parrot

Order PASSERIFORMES

Family TYRANNIDAE

Todirostrum senex
Buff-cheeked Tody-Flycatcher

Family CAMPEPHAGIDAE

Coracina schistacea
Slaty Cuckooshrike

Coracina sula
Sula Cicadabird

Family MUSCICAPIDAE

Amytornis goyderi
Eyrean Grasswren

Zoothera kibalensis
Kibale Ground-Thrush

Family NECTARINIDAE

Nectarinia buettikoferi
Apricot-breasted Sunbird

Nectarinia prigoginei
Prigogine's Double-collared Sunbird

Family ZOSTEROPIDAE

Zosterops sanctaerucris
Nendo White-eye

Class REPTILIA

Order CROCODYLIA

Family CROCODYLIDAE

Crocodylus porosus
Estuarine Crocodile

Order RHYNCHOCEPHALIA

Family SPHENODONTIDAE

Sphenodon punctatus
Cook Strait Tuatara

Order SAURIA

Family GEKKONIDAE

Hoplodactylus chrysosireticus
Gold-striped Gecko

Hoplodactylus duvauceli
Duvaucel's Gecko

Naultinus rudis
Rough Gecko

Family LACERTIDAE

Archaeolacerta monticola
Iberian Rock Lizard

Lacerta australis
Southern Rock Lizard

Family SCINCIDAE

Cyclodina oliveri
Marbled Skink

Oligosoma notosaurus
Southern Skink

Family VARANIDAE

Varanus flavescens
Yellow Monitor

Order SERPENTES

Family VIPERIDAE

Vipera raddei
Armenian Viper

Order TESTUDINES

Family CHELIDAE

Emydura signata
Brisbane Short-necked Turtle

Family EMYDIDAE

Mauremys annamensis
Annam Leaf Turtle

Family TESTUDINIDAE

Gopherus berlandieri
Texas Tortoise

Testudo marginata
Marginated Tortoise

Class AMPHIBIA

Order ANURA

Family HYLIDAE

Litoria castanea
Yellow-spotted Tree Frog

Litoria dentata
Bleating Tree Frog

Litoria lesueuri
Lesueur's Frog

Litoria verreauxii
Whistling Tree Frog

Family HYPEROLIIDAE

Afrixalus aureus
Golden Dwarf Reed Frog

Family LEOPELMATIDAE

Leiopelma hochstetteri
Hochstetter's Frog

Family LEPTODACTYLIDAE

Paratelmatobius gaigeae

Family RANIDAE

Rana vertebralis
Water Frog

Class ACTINOPTERYGII

Order CYPRINIFORMES

Family CYPRINIDAE

Chondrostoma willkommii

Discherodontus halei

Hemigrammocapoeta kemali

Leuciscus carolüertii

Family CATOSTOMIDAE

Moxostoma atripinne
Blackfin Sucker

Order SILURIFORMES

Family MOCHOKIDAE

Chiloglanis swierstrai
Lowveld Suckermouth

Order SALMONIFORMES

Family SALMONIDAE

Coregonus artedii
Cisco

Order ATHERINIFORMES

Family ATHERINIDAE

Chilatherina axelrodi
Axelrod's Rainbowfish

Craterocephalus kailolae
Kailola's Hardyhead

Glossolepis maculosus
Spotted Rainbowfish

Melanotaenia catherinae
Waigeo Rainbowfish

Melanotaenia iris
Strickland Rainbowfish

Melanotaenia maylandi
Mayland's Rainbowfish

Melanotaenia misoolensis
Misool Rainbowfish

Melanotaenia papuae
Papuan Rainbowfish

Pseudomugil connieae
Popondetta Blue-Eye

Pseudomugil furcatus
Forktail Blue-Eye

Pseudomugil majusculus
Cape Blue-Eye

Rheocles alaotrensis
Katrana

Telmatherina bonti

Order CYPRINODONTIFORMES

Family APLOCHEILIDAE

Pachypanchax omalonotus

Rivulus marmoratus
Rivulus

Family CYPRINODONTIDAE

Aphanius chantrei
Dislisazancik Baligi

Cyprinodon atrorus
Perrito del Bolson

Cyprinodon bifasciatus
Perrito de Cuatro Cienegas

Cyprinodon nazas
Cachorrito del Aguanaval

Fundulus lima
Killifish

Order BELONIFORMES

Family HEMIRAMPHIDAE

Zenacrhapterus robertsi
Robert's River Garfish

Order **SCORPAENIFORMES**

Family **COTTIDAE**

Myoxocephalus quadricornis
Fourhorn Sculpin

Order **PERCIFORMES**

Family **AMBASSIDAE**

Ambassis elongatus
Yellow-Fin Perchlet

Family **TERAPONTIDAE**

Pingalla gilberti
Gilberts Grunter

Family **KUHLIIDAE**

Kuhlia marginata
Spotted Flagtail

Family **TOXOTIDAE**

Toxotes oligolepis
Big Scale Archerfish

Family **CICHLIDAE**

Paratilapia polleni
Marakely

Family **MUGILIDAE**

Myxus capensis
Freshwater Mullet

Family **ELEOTRIDAE**

Hypseleotris aurea
Golden Gudgeon

Mogurnda lineata
Kokoda Mogurnda

Mogurnda orientalis
Eastern Mogurnda

Ratsirakia legendrei

Class **CRUSTACEA**

Order **ANOSTRACA**

Family **BRANCHINECTIDAE**

Branchinecta gigas
Giant Fairy Shrimp

Order **ISOPODA**

Family **SPHAEROMATIDAE**

Thermosphaeroma subequalum

Class **INSECTA**

Order **LEPIDOPTERA**

Family **NYMPHALIDAE**

Euploea configurata
Sulawesi Striped Blue Crow

Euploea dentiplaga
Seram Crow

Euploea doretta
Pagenstecher's Crow

Euploea eboraci
Bismark Crow

Euploea eupator
Sulawesi Pied Crow

Euploea latifasciata
Weymer's Crow

Ideopsis klassika
Seram Small Tree-Nymph

Parantica crowleyi
Crowley's Tiger

Parantica kirbyi
Kirby's Tiger

Parantica menadensis
Manado Yellow Tiger

Parantica pumila
Least Tiger

Parantica rotundata
Fat Tiger

Parantica weiskei
Weiske's Tiger

Tirumala gautama
Scarce Blue Tiger

Family **PAPILIONIDAE**

Bhutanitis thaidina
Chinese Three-tailed Swallowtail

Ornithoptera paradisa
Paradise Birdwing

Papilio acheron

Papilio toboroi

Papilio weymeri

Order **ODONATA**

Family **GOMPHIDAE**

Erpetogomphus lampropeltis

Ophiogomphus cecilia

Family **LIBELLULIDAE**

Leucorrhinia albifrons

Leucorrhinia caudalis

Class **BIVALVIA**

Order **VENEROIDA**

Family **TRIDACNIDAE**

Tridacna crocea
Crocus Clam

Class **GASTROPODA**

Order **MESOGASTROPODA**

Family **CYCLOPHORIDAE**

Craspedoma costata

Family **HYDROBIIDAE**

Bythinella reyniesii

Bythiospeum bressanum

Bythiospeum diaphanum

Graziana lacheineri

Graziana pupula

Moitessieria rolandiana

Moitessieria simoniana

Family **POMATIASIDAE**

Pomatias raricosta

Order **STYLOMMATOPHORA**

Family **ARIONIDAE**

Geomalacus maculosus

Family **BULIMULIDAE**

Napaesus pygmaeus

Family **CAMAENIDAE**

Amplirhagada elevata

Prymnbriareus nimberlinus

Setobaudinia collingii

Torresitrachia crawfordi

Family CHAROPIDAE
Semperdon heptptychius

Family CHONDRINIDAE
Solatopupa guidoni

Family COCHLICOPIDAE
Cochlicopa nitens

Family ENIDAE
'Napaeus' alabastrinus

Family EUCONULIDAE
Ctenophila salaziensis

Family GEOMITRIDAE
Disculella maderensis

Family HELICARIONIDAE
Helicarion australis

Family HELICELLIDAE
Cyrnotheba corsica

Family HELICIDAE
Elona quimperiana
Gittenbergeri turriplana
Hemicycla modesta
Hemicycla plicaria
Trissexodon constrictus

Family PUPILLIDAE
Leiostyla fusca
Leiostyla vincta
Pupilla pupula

Family STREPTAXIDAE
Gonospiro funicula
Gulella plantii

Family VERTIGINIDAE
Cylindrovertilla kingi

Family VITRINIDAE
Phenacolimax atlantica

Part II : Taxa listed in 1994, now Not Evaluated

Class MAMMALIA

Family VESPERTILIONIDAE
Lasiurus cinereus semotus
Hawaiian Hoary Bat
Myotis formosus bartelsi
Bartel's Myotis

Order PRIMATES

Family LEMURIDAE
Eulemur fulvus mayottensis
Mayotte Lemur

Family CERCOPITHECIDAE

Cercocebus albigena aterrimus
Black Mangabey
Cercocebus torquatus torquatus
Collared Mangabey

Macaca fuscata yakui
Yakushima Macaque

Macaca ochreata brunnescens
Muna-Butung Macaque

Macaca pagensis pagensis
Mentawai Macaque

Macaca tonkeana hecki
Heck's Macaque

Procolobus badius ellioti
Elliot's Red Colobus

Procolobus badius oustaleti
Oustalet's Red Colobus

Procolobus badius tephrosceles
Uganda Red Colobus

Procolobus badius tholloni
Thollon's Red Colobus

Order CARNIVORA

Family MUSTELIDAE
Lutra longicaudis longicaudis
La Plata Otter
Lutra lutra lutra
European Otter

Order ARTIODACTYLA

Family BOVIDAE
Ammotragus lervia ornatus
Egyptian Barbary Sheep
Ovis orientalis orientalis
Red Sheep

Order RODENTIA

Family SCIURIDAE
Glaucomys volans goldmani
Mexican Flying Squirrel
Glaucomys volans guerreroensis
Guerrero Flying Squirrel
Glaucomys volans oaxacensis
Oaxaca Flying Squirrel
Ratufa indica dealbata
Dangs Giant Squirrel
Ratufa indica elphinstoni
Maharashtra Giant Squirrel

Family CASTORIDAE

Castor canadensis frondator
Broad-tail Beaver
Castor canadensis mexicanus
Rio Grande Beaver
Castor fiber birulai
Mongolian Beaver

Family MURIDAE

Microtus mexicanus navaho
Microtus pennsylvanicus chihuahuaensis
Chihuahua Vole
Reithrodontomys megalotis limicola
Southern Marsh Harvest Mouse

Order MACROSCELIDEA

Family MACROSCELIDIDAE

Petrodromus tetradactylus sangi
Four-toed Elephant-shrew
Rhynchocyon cirnei cirnei
Chequered Elephant-shrew
Rhynchocyon cirnei hendersoni
Henderson's Chequered
Elephant-shrew

Class AVES

Order STRIGIFORMES

Family STRIGIDAE
Otus magicus albiventris
Flores Scops-Owl

Otus spilocephalus stresemanni
Sumatran Scops-Owl

Order **CORACIIFORMES**

Family **ALCEDINIDAE**

Todirhamphus cinnamominus miyakoensis
Ryukyu Kingfisher

Order **PASSERIFORMES**

Family **COTINGIDAE**

Laniisoma elegans elegans
Shrike-like Cotinga

Class **REPTILIA**

Order **SAURIA**

Family **ANIPELLIDAE**

Anniella pulchra nigra
Black Legless Lizard

Family **IGUANIDAE**

Phrynosoma coronatum blainvillei
San Diego Horned Lizard

Family **LACERTIDAE**

Podarcis filfolensis filfolensis
Filfolia Lizard

Family **SCINCIDAE**

Eulamprus tympanum ssp.
Dreeite Water Skink

Gongylomorphus bojerii fontenayi
Macabe Forest Skink

Family **VARANIDAE**

Varanus griseus caspius
Central Asian Desert Monitor

Order **SERPENTES**

Family **BOIDAE**

Charina bottae umbratica
Rubber Boa

Epicrates striatus fosteri
Bahamas Boa

Family **COLUBRIDAE**

Drymarchon corais couperi
Eastern Indigo Snake

Masticophis flagellum ruddocki
San Joaquin Coachwhip

Masticophis lateralis euryxanthus
Alameda Striped Racer

Nerodia fasciata taeniata
Atlantic Saltmarsh Snake

Nerodia harteri paucimaculata
Concho Water Snake

Nerodia sipedon insularum
Lake Erie Water Snake

Thamnophis sirtalis tetrataenia
San Francisco Garter Snake

Family **VIPERIDAE**

Crotalus willardi obscurus
New Mexican Ridge-nosed
Rattlesnake

Vipera ammodytes transcaucasiana
Transcaucasian Long-nosed Viper

Order **TESTUDINES**

Family **EMYDIDAE**

Trachemys scripta callirostris
Colombian Slider

Trachemys stejnegeri malonei
Inagua Island Turtle

Trachemys terrapen felis
Cat Island Freshwater Turtle

Family **TESTUDINIDAE**

Testudo graeca graeca
Spur-thighed Tortoise

Testudo hermanni boettgeri
Eastern Hermann's Tortoise

Class **AMPHIBIA**

Order **ANURA**

Family **DISCOGLOSSIDAE**

Discoglossus jeanneae

Family **HYLIDAE**

Pseudacris streckeri illinoensis
Illinois Chorus Frog

Order **CAUDATA**

Family **AMBYSTOMATIDAE**

Ambystoma dumerilii dumerilii
Lake Patzcuaro Salamander

Ambystoma macrodactylum croceum
Santa Cruz Long-toed Salamander

Class

CEPHALASPIDOMORPHI

Order

PETROMYZONTIFORMES

Family **PETROMYZONTIDAE**

Lampetra tridentata ssp.
Pacific Lamprey

Class **ACTINOPTERYGII**

Order **CYPRINIFORMES**

Family **CYPRINIDAE**

Cyprinella sp.
Sardinita Nazas

Dionda episcopa ssp.
Roundnose Minnow

Gila bicolor ssp.
Tui Chub

Gila robusta ssp.
Roundtail Chub

Lepidomeda mollispinis ssp.
Virgin Spinedace

Pseudorasbora pumila ssp.
Ushimotsugo

Rhinichthys cataractae ssp.
Longnose Dace

Rhinichthys osculus ssp.
Speckled Dace

Family **CATOSTOMIDAE**

Catostomus sp.
Salish Sucker

Catostomus catostomus lacustris
Jasper Longnose Sucker

Catostomus clarki intermedius
White River Sucker

Catostomus dicobolus yarrowi
Zuni Bluehead Sucker

Catostomus occidentalis lacusanserinus
Goose Lake Sucker

Catostomus rimiculus ssp.
Jenny Creek Sucker

Chasmistes liorus liorus
June Sucker

Chasmistes liorus mictus
June Sucker

Moxostoma sp.
Bighead Redhorse

Order **SILURIFORMES**

Family **ICTALURIDAE**

Ictalurus sp.

Bagre de Cuatro Ciénegas

Family **BAGRIDAE**

Pseudobagrus sp.

Gibachi

Family **PLOTOSIDAE**

Neosilurus sp. 1

Dalhousie Catfish

Neosilurus sp. 2

Cooper Creek Tandan

Neosilurus sp. 3

False Spine Catfish

Tandanus sp.

Belinger River Tandan

Order **SALMONIFORMES**

Family **SALMONIDAE**

Coregonus sp. 1

Opeongo Whitefish

Coregonus sp. 2

Squanga Whitefish

Oncorhynchus sp.

Trucha de Yaqui

Oncorhynchus clarki sp.

Cutthroat Trout

Order **OPHIDIIFORMES**

Family **BYTHITIDAE**

Typhliasina sp.

Nueva Dama Ciega

Order **CYPRINODONTIFORMES**

Family **CYPRINODONTIDAE**

Cyprinodon eximius ssp.

Conchos Pupfish

Cyprinodon macularius ssp.

Desert Pupfish

Cyprinodon nevadensis ssp.

Amargosa Pupfish

Cyprinodon salinus milleri

Cottonball Marsh Pupfish

Cyprinodon salinus salinus

Salt Creek Pupfish

Family **GOODEIDAE**

Empetrichthys latos concavus

Raycraft Ranch Poolfish

Empetrichthys latos latos

Pahrump Poolfish

Empetrichthys latos pahrump

Pahrump Ranch Poolfish

Order **GASTEROSTEIFORMES**

Family **GASTEROSTEIDAE**

Gasterosteus sp. 1

Giant Stickleback

Gasterosteus sp. 2

Enos Stickleback

Gasterosteus aculeatus santaeannae

Santa Ana Stickleback

Gasterosteus aculeatus williamsoni

Unarmored Threespine Stickleback

Pungitius sp.

Musashitomiyo

Order **PERCIFORMES**

Family **TERAPONTIDAE**

Scortum sp.

Angalarri Grunter

Family **CENTRARCHIDAE**

Lepomis megalotis ssp.

Mojarra de Cuatro Ciénegas

Micropterus salmoides ssp.

Robalo de Cuatro Ciénegas

Family **ELASSOMATIDAE**

Elassoma sp.

Spring Pygmy Sunfish

Family **PERCIDAE**

Etheostoma sp.

Dardo de Cuatro Ciénegas

Family **CICHLIDAE**

Oreochromis alcalicus grahami

Lake Magadi Tilapia

Family **EMBIOTOCIDAE**

Hysteroecarpus traski poma

Russian River Tule Perch

Family **ELEOTRIDAE**

Mogurnda sp. 1

False-Spotted Gudgeon

Mogurnda sp. 2

Flinders Ranges Gudgeon

Mogurnda sp. 3

Karamui Gudgeon

Mogurnda sp. 4

Wau Gudgeon

Mogurnda sp. 5

Highlands Gudgeon

Mogurnda sp. 6

Malas Gudgeon

Mogurnda adpersa

Purple Spotted Gudgeon

Family **GOBIIDAE**

Glossogobius sp. 1

Mountain Goby

Glossogobius sp. 2

Irian Goby

Glossogobius sp. 3

Robert's Goby

Glossogobius sp. 4

Bluntnout Goby

Glossogobius sp. 5

Sentani Goby

Glossogobius sp. 6

Fly River Goby

Glossogobius sp. 7

Kutubu Goby

Glossogobius sp. 8

Bighead Goby

Glossogobius sp. 9

Ramu Goby

Glossogobius sp. 10

Mulgrave Goby

Pseudogobiopsis sp.

Red-spotted Goby

Class **CRUSTACEA**

Order **ANASPIDACEA**

Family **ANASPIDIDAE**

Anaspides sp.

Syncarid Shrimps

Order **ISOPODA**

Family **PHREATOICIDAE**

Mesacanthotelson setosis

Family **STYLONISCIDAE**

Styloniscus sp. 1

Class **INSECTA**

Order **BLATTARIA**

Family **BLATTIDAE**

Aspiduchus covernicola

Tuna Cave Roach

Order COLEOPTERA

Family ANOBIIDAE

Holcobius pikoensis
Piko Anobiid Beetle

Family ANTHICIDAE

Anthicus antiochensis
Antioch Dunes Beetle

Family CARABIDAE

Agonum belleri
Beller's Ground Beetle

Aplothorax burchelli

Mormolyce phyllodes
Ghost Walker Beetle

Rhadine persephone
Tooth Cave Ground Beetle

Sphaeroderus schauami shenandoah
Schauam's Blue Ridge Ground Beetle

Family CERAMBYCIDAE

Aeschrithmysus dubautianus

Aeschrithmysus swezeyi

Aeschrithmysus terryi

Crossidius mojaviensis mojaviensis
Mojave Rabbitbrush Longhorn Beetle

Desmocerus californicus dimorphus
Valley Elderberry Longhorn Beetle

Dryobius sexnotatus
Six-banded Longhorn Beetle

Necydalis rudei
Rude's Longhorn Beetle

Nesithmysus bridwelli

Nesithmysus frobesi

Nesithmysus haasi

Nesithmysus swezeyi

Family CHRYSOMELIDAE

Donacia idola
Bog Idol Leaf Beetle

Family CICINDELIDAE

Cicindela arenicola
Idaho Dunes Tiger Beetle

Cicindela cazieri
Cazier's Tiger Beetle

Cicindela chlorocephala smythi
Smyth's Tiger Beetle

Cicindela dorsalis dorsalis
North-eastern Beach Tiger Beetle

Cicindela latesignata oblioviosa
Oblivious Tiger Beetle

Cicindela limbata albissima
Coral Pink Dunes Tiger Beetle

Cicindela marginata
Tiger Beetle

Cicindela nevadica olmosa
Los Olmos Tiger Beetle

Cicindela nigrocoerulea subtropica
Subtropical Blue-Black Tiger Beetle

Cicindela obsolata neojuvenalis
Neojuvenile Tiger Beetle

Cicindela tranquebarica viridissima
Greenest Tiger Beetle

Family CURCULIONIDAE

Anagotus fairburni
Flax Weevil

Anagotus stephenensis
Stephen's Island Weevil

Anagotus turbotti
Turbott's Weevil

Deinocossonus nesiotus
Oahu Nesiotes Weevil

Dysticheus rotundicollis
Antioch Dune Weevil

Hadramphus spinipennis
Coxella Weevil

Hadramphus stilbocarpae
Knobbed Weevil

Heteramphus filicum

Heterexis seticostatus

Karocolens pittospori

Lyperobius huttoni
Wellington Speargrass Weevil

Megacolabus sculpturatus

Microcryptorhynchus orientissimus

Miloderes nelsoni
Nelson's Weevil

Miloderes rulieni
Rulien's Weevil

Nesotocus giffordi
Gifford's Weevil

Nesotocus kauaiensis
Kauai Weevil

Nesotocus munroi
Munro's Weevil

Nothaldonis peaci

Oclandius laeviusculus

Onchobarus langei
Lange's El Segundo Dune Weevil

Pentarthrum obscura
Obscure Weevil

Pentarthrum pritchardias

Rhyncogonus hendersoni

Stenotrupis pritchardiae
Nihoa Weevil

Trigonoscuta brunnotesselata

Brown-tassel Weevil

Trigonoscuta dorothea dorothea
Dorothy's El Segundo Dune Weevil

Trigonoscuta doyeri
Doyen's Dune Weevil

Unas piceus

Family DYTISCIDAE

Agabus rumppi
Death Valley Agabus Diving Beetle

Aglymbus bimaculatus

Aglymbus bromeliarum

Colymbetes piceus

Deronectes costipennis

Deronectes wewalkai

Desmopachria conchramis
Fig Seed Diving Beetle

Dytiscus lapponicus disjunctus

Haideoporus texanus
Texas Cave Beetle

Hydaticus decorus

Hydaticus okalehubyi

Hydroporus elusivus
Elusive Diving Beetle

Hydroporus folkertsi
Folkert's Diving Beetle

Hydroporus hirsutus
Woolly Diving Beetle

Hydroporus humilis

Hydroporus leechi
Leech's Skyline Diving Beetle

Hydroporus mariannae

Hydroporus oasis

Hydroporus productus

Hydroporus spangleri
Spangler's Diving Beetle

Hydroporus sulphurius
Sulphur Springs Diving Beetle

Hydroporus utahensis
Utah Diving Beetle

Hygrotus curvipes
Curved-foot Diving Beetle

Hygrotus diversipes
Narrow-foot Diving Beetle

Hygrotus fontinalis
Travertine Band-thigh Diving Beetle

Hygrotus sylvanus
Sylvan Diving Beetle

Hyphydrus dani

Lacconectus birmanicus

Lacconectus corayi

Lacconectus heinertzi

Lacconectus javanicus

Lacconectus laccophiloides
Lacconectus minutus
Lacconectus muluensis
Lacconectus oceanicus
Lacconectus pulcher
Lacconectus punctatus
Lacconectus punctipennis
Lacconectus ritsemae
Lacconectus sabahensis
Platynectes buruensis
Platynectes decastigma
Pleurodytes dineutoides
Potamonectes canariensis
Potamonectes cazorlensis
Potamonectes insignis
Potamonectes lanceolatus
Potamonectes walkeri
Rhantus crypticus
Rhantus limbatus
Sandracottus baeri
Sandracottus bizonatus
Sandracottus chevrolati
Sandracottus maculatus
Sandracottus rotundatus

Family ELATERIDAE

Amychus candezei
 Chatham Island Amychus
Amychus granulatus
 Cook Strait Amychus
Eanus hatchi

Family ELMINTHIDAE

Atractelmis wawona
 Wawawona Riffle Beetle
Cylloepus parkeri
 Parker's Riffle Beetle
Dubiraphia brunnescens
 Brownish Riffle Beetle
Dubiraphia giulianii
 Giuliani's Riffle Beetle
Dubiraphia parva
 Little Riffle Beetle
Dubiraphia robusta
 Robust Riffle Beetle
Heterelmis stephani
 Stephan's Riffle Beetle
Huleechius marroni carolus
 Marron's San Carlos Riffle Beetle
Microcylloepus browni
 Brown's Riffle Beetle

Optioservus browni
 Brown's Riffle Beetle
Optioservus canus
 Pinnacles Riffle Beetle
Optioservus phaeus
 Scott Riffle Beetle
Stenelmis calida calida
 Devil's Hole Warm Spring Riffle
 Beetle
Stenelmis calida moapa
 Moapa Warm Springs Riffle Beetle
Stenelmis douglasensis
 Douglas Riffle Beetle
Zaitzeva thermae
 Warm Spring Riffle Beetle

Family EUCNEMIDAE

Paleoxenus dohmi
 Dohm's Elegant Eucnemid Beetle

Family GEOTRUPIDAE

Typhaeus hiostius

Family GYRINIDAE

Spanglerogyrus albiventris
 Red Hills Unique Whirligig Beetle

Family HALIPLIDAE

Brychius hungerfordi
 Hungerford's Crawling Water Beetle
Haliplus nitens
 Disjunct Crawling Water Beetle

Family HYDRAENIDAE

Gymnochthebius maureenae
 Maureen's Minute Moss Beetle
Hydraena maureenae
 Maureen's Moss Beetle
Limnebius aridus
 Animas Minute Moss Beetle
Limnebius texanus
 Texas Minute Moss Beetle
Limnebius utahensis
 Utah Minute Moss Beetle
Ochthebius crassalus
 Wing-shoulder Minute Moss Beetle
Ochthebius putnamensis
 Indiana Minute Moss Beetle
Ochthebius reticulatus
 Wilbur Springs Minute Moss Beetle

Family HYDROPHILIDAE

Chaetarthria leechi
 Leech's Water Scavenger Beetle

Chaetarthria utahensis
 Utah Water Scavenger Beetle
Cymbiodyta arizonica
 Arizona Water Scavenger Beetle
Hydrochara rickseckeri
 Ricksecker's Water Scavenger Beetle
Paracymus seclusus
 Seclusive Water Scavenger Beetle

Family LAMPYRIDAE

Micronaspis floridana
 Florida Intertidal Firefly
Photuris brunnipennis floridana
 Everglades Browing Firefly

Family LUCANIDAE

Apterocyclus honoluluensis
 Kauai Flightless Stag Beetle
Dorcus auriculatus
Dorcus ithaginis

Family MELOIDAE

Lytta hoppingi
 Hopping's Blister Beetle
Lytta inseperata
 Mojave Desert Blister Beetle
Lytta mirifica
 Anthony Blister Beetle
Lytta moesta
 Moestan Blister Beetle
Lytta molesta
 Molestan Blister Beetle
Lytta morrisoni
 Morrison's Blister Beetle

Family PSEPHENIDAE

Acneus beeri
 Beer's False Water Penny Beetle
Acneus burnelli
 Burnell's False Water Penny Beetle
Alabamaubria starki
 Stark's False Water Penny Beetle
Dicranopselaphus variegatus
 Variegated False Water Penny Beetle
Psephenus arizonensis
 Arizona Water Penny Beetle
Psephenus montanus
 White Mountains Water Penny Beetle

Family SCARABAEIDAE

Aegialia haroyi
 Hardy's Scarab Beetle
Aegialia magnifica
 Large Scarab Beetle

<i>Anomala exigua</i> Exiguous Scarab Beetle	Family TROGIDAE <i>Trox howelli</i> Caracara Commensal Scarab Beetle	<i>Asaphomyia floridensis</i> Florida Asaphomyian Tabanid Fly
<i>Anomala eximia</i> Archbold Scarab Beetle		<i>Asaphomyia texanus</i> Texas Asaphomyian Tabanid Fly
<i>Anomala tibialis</i> Tibial Scarab Beetle	Order COLLEMBOLA	<i>Merycomyia brunnea</i> Brown Merycomyian Tabanid Fly
<i>Aphodius fordi</i> Ford's Beetle	Family NEANURIDAE <i>Acanthanura dendyi</i>	Order EPHEMEROPTERA
<i>Aphodius troglodytes</i> Tortoise Commensal Scarab Beetle	<i>Acanthanura sp.</i> <i>Megalanura tasmaniae</i>	Family BAETIDAE <i>Heterocleon bernerii</i> Berner's Two-winged Mayfly
<i>Ataenius superficialis</i> Big Pine Key Dung Beetle	<i>Womersleymeria bicornis</i> <i>Womersleymeria sp.1</i> <i>Womersleymeria sp.2</i>	Family BEHNINGIIDAE <i>Dolania americana</i> American Sand-burrowing Mayfly
<i>Ataenius woodruffi</i> Woodruff's Dung Beetle	Order DIPTERA	
<i>Copris gopheri</i> Tortoise Commensal Scarab Beetle	Order DIPTERA	Family CAENIDAE <i>Brachycercus flavus</i> Yellow Mayfly
<i>Cyclocephala miamiensis</i> Miami Roundhead Scarab Beetle	Family ACROCERIDAE <i>Eulonchus marialiciae</i> Mary Alice's Small-headed Fly	
<i>Dynastes hercules glaseri</i> <i>Dynastes hercules hercules</i> Hercules Beetle	Family APIOCERIDAE <i>Raphiomydas triochilus</i> Valley Mydas Fly	Family EPHEMERELLIDAE <i>Ceratella frisoni</i> Frison's Mayfly <i>Ceratella spiculosa</i> Spicluose Mayfly <i>Ephemerella argo</i> Argo Mayfly
<i>Dynastes hercules reidi</i> Hercules Beetle	Family ASILIDAE <i>Cophura hurdi</i> Antioch Robberfly <i>Efferia antiochi</i> Antioch Robberfly <i>Metapogon hurdi</i> Hurd's Robberfly	Family EPHEMERIDAE <i>Ephemera compar</i> Colorado Burrowing Mayfly <i>Ephemera triplex</i> West Virginia Burrowing Mayfly
<i>Glareis arenata</i> Kelso Dune Scarab Beetle	Family ASTEIIDAE <i>Bryania bipunctata</i> Nihoa Two-spotted Asterid Fly	Family HEPTAGENIIDAE <i>Pseudirion meridionalis</i> Meridion Blackwater Mayfly
<i>Gronocarus multispinosus</i> Spiny Florida Sandhill Scarab Beetle	Family EMPIDIDAE <i>Chersodromia hawaiiensis</i> Hawaiian Dance Fly	Family OLIGONEURIIDAE <i>Homooneuria cahabensis</i> Cahaba Sand-filtering Mayfly <i>Homooneuria dolani</i> Blackwater Sand-filtering Mayfly
<i>Lichnanthe albopilosa</i> White Sand Bear Scarab Beetle	Family EPHYDRIDAE <i>Paracoenia calida</i> Wilber Springs Shore Fly	Family SIPHLONURIDAE <i>Ameletus falsus</i> False Mayfly <i>Isonychia diversa</i> Diverse Mayfly
<i>Lichnanthe ursina</i> Pacific Sand Bear Scarab Beetle	Family MYCETOPHILIDAE <i>Arachnocampa tasmaniensis</i>	Order HEMIPTERA
<i>Mycotrupes pedester</i> Scrub Island Burrowing Scarab Beetle	Family SYRPHIDAE <i>Mixogaster delongi</i> Delong's Flower Fly	Family BELOSTOMATIDAE <i>Belostoma saratogae</i> Saratoga Springs Bug
<i>Onthopagus polyphemi</i> Tortoise Commensal Scarab Beetle	Family TABANIDAE <i>Apatalestea rossi</i> Ross's Apatalestes Tabanid Fly	
<i>Oryctes chevrolati</i> <i>Peltoirupes youngi</i> Ocala Burrowing Scarab Beetle		
<i>Polylamina pubescens</i> Woody Gulf Dune Scarab Beetle		
<i>Polyphylla anteronivea</i> Saline Valley Snow-front Scarab		
<i>Polyphylla avittata</i> Spotted Warner Valley Dunes Scarab		
<i>Polyphylla barbata</i> Barbate Scarab Beetle		
<i>Polyphylla nubila</i> Atascodera Scarab Beetle		
<i>Serica frosti</i> Frost's Spring Scarab Beetle		
<i>Serica tantula</i> Tantula Scarab Beetle		
<i>Trigonopelastes floridana</i> Scrub Palmetto Flower Scarab Beetle		

Family **LYGAEIDAE**

Metrarga obscura
Mauna Loa Seed Bug
Neseis alternatus
Kauai Band-legged Seed Bug
Neseis haleakalae
Mount Haleakala Seed Bug
Nesocryptias villosa
Villosan Flightless Seed Bug
Nysius frigatensis
French Frigate Shoal Seed Bug

Nysius neckerensis
Necker Goosefoot Seed Bug

Nysius nihoa
Nihoa Seed Bug

Nysius sulfusus
Necker Bunchgrass Seed Bug

Oceanides bryani
Bryan's Seed Bug

Oceanides perkensi
Perkin's Oceanides Seed Bug

Oceanides rugosiceps
Rough-headed Seed Bug

Family **MACROVELIIDAE**

Oravelia pege
Dry Creek Cliff Strider Bug

Family **MESOVELIIDAE**

Cavaticovelina aaa
Aaa Water Treader-Bug

Family **MIRIDAE**

Cyrtopeltis phyllostegiae
Mirid Leaf Bug

Kalania hawaiiensis
Lanai Leaf Bug

Family **NAUCORIDAE**

Ambrysus amargosus
Ash Meadows Bug

Pelocoris shoshone
Amargosa Bug

Family **REDUVIIDAE**

Empicoris pulchrus
Pulchrus Thread Bug

Nesidiolestes ana
Ana Wingless Thread Bug

Nesidiolestes insularis
Mount Tantalus Wingless Thread Bug

Nesidiolestes roberti
Robert's Wingless Thread Bug

Nesidiolestes selium
Selium Wingless Thread Bug
Siacella smithi
Smith's Reduviid Bug

Family **RHOPALIDAE**

Ithamar annectans
Annectans Bug

Ithamar hawaiiensis
Hawaiian Bug

Order **HOMOPTERA**

Family **APHIDIDAE**

Ceriferella leucopogonis

Family **CICADELLIDAE**

Felexamia rubranura
Red-veined Prairie Leafhopper

Family **CICADIDAE**

Maoricicada myersi
Myers' Cicada

Family **CIXIIDAE**

Oliarus consimilis
Kauai Parti-coloured Planthopper

Oliarus discrepans
Wild Cotton Planthopper

Oliarus lanaiensis
Lanai Planthopper

Oliarus lihue
Lihue Planthopper

Oliarus myoporicola
Barber's Point Planthopper

Family **DELPHACIDAE**

Nesorestias filicicola
Mt Tantalus Shortwing Fern Planthopper

Nesosydne acuta
Iao Valley Planthopper

Nesosydne bridwelli
Bridewell's Planthopper

Nesosydne cyrtandrae
Nahiku Planthopper

Nesosydne cyrtandricola
Glenwood Planthopper

Nesosydne kuschei
Kusche's Planthopper

Nesosydne leahi
Diamond Head Planthopper

Nesosydne longipes
Long-footed Planthopper

Nesosydne sulcata
Keanae Planthopper

Family **TETTIGARCTIDAE**

Tettigarcta tormentosa

Order **HYMENOPTERA**

Family **ANDRENIDAE**

Perdita hirticeps luteocincta
Yellow Banded Andrenid Bee

Perdita scitula antiochensis
Antioch Andrenid Bee

Family **BETHYLIDAE**

Sclerodermus nihoaensis
Nihoa Sclerodermus Wasp

Family **EUPELMIDAE**

Eupelmus nihoaensis
Nihoa Eupelmus Wasp

Family **MUTILLIDAE**

Myrmosula pacifica
Antioch Mutillid Wasp

Family **SPHECIDAE**

Deinomimesa hawaiiensis
Hawaiian Sphecid Wasp

Deinomimesa punae
Puna Sphecid Wasp

Ectemnius curtipes
Short-foot Sphecid Wasp

Ectemnius fulvicrus
Brown Cross Sphecid Wasp

Ectemnius giffardi
Giffard's Sphecid Wasp

Ectemnius haleakalae
Haleakala Sphecid Wasp

Ectemnius nesocrabo bidecoratus
Bidecoratus Sphecid Wasp

Eucerceris ruficeps
Redheaded Sphecid Wasp

Nesomimesa kauaiensis
Kauai Sphecid Wasp

Nesomimesa perkins

Nesomimesa sciopteryx
Shade-winged Sphecid Wasp

Philanthus nasalis
Antioch Sphecid Wasp

Family **VESPIDAE**

Odynerus niihauensis
Niuhau Vespid Wasp

Odynerus soror
Soror Vespid Wasp

Order LEPIDOPTERA

Family ACRAEIDAE

Acraea hova

Acraea sambavae

Family CARPOSINIDAE

Heterocrossa viridis

Green Carposinid Moth

Family COCHYLIDAE

Carolella busckana

Busk's Gall Moth

Family GELECHIIDAE

Kiwaia jeanae

Family GEOMETRIDAE

Acalyphes philorites

Dirce aesiodora

Dirce lunaris

Dirce oriplancta

Dirce solaris

Fletcherana ioxantha

ioxantha Looper Moth

Family GRACILLARIIDAE

Petrochroa neckerensis

Necker Leaf-miner Moth

Phildoria wilkesiella

Family HEPIALIDAE

Leto venus

Silver Spotted Ghost Moth

Zelotypia stacyi

Bent Wing Swift Moth

Family HESPERIIDAE

Antipodia chaostola leucophaea

Epargyreus antaeus

Epargyreus spana

Euscheman rafflesia

Hesperia leonard montana

Pawnee Montane Skipper

Hesperilla mastersi marakupa

Kedestes barerae bunta

Barber's Ranger

Kedestes chaca

Metisella syrxin

Bamboo Sylph

Oreisplanus munionga larana

Panoquina panoquinoides errans

Salt Marsh Skipper

Problema bulenta

Rare Skipper

Pseudocopaeodes eunus eunus

Wandering Skipper

Syrictus cribrellum

Spinose Skipper

Syrictus tessellum

Tessellated Skipper

Tsitana dicksoni

Dickson's Sylph

Family LYCAENIDAE

Aloeides dentatis dentatis

Aloeides dentatis maseruna

Aloeides trimeni sautheyae

Argyrocupha malagrida

cedrusmontana

Lion's Head Copper

Argyrocupha malagrida malagrida

Lion's Head Copper

Argyrocupha malagrida maryae

Lion's Head Copper

Argyrocupha malagrida paarlensis

Lion's Head Copper

Bowkeria phosphor borealis

Bowkeria phosphor phosphor

Callophrys mossii bayensis

San Bruno Elfin

Cycl Yurius mandersi

Durbania amakosa albescens

Durbania amakosa flavida

Euphilotes battoides comstocki

Comstock's Blue

Euphilotes bernardino allyni

El Segundo Blue

Euphilotes enoptes smithi

Smith's Blue

Euphilotes rita mattonii

Mattoni's Blue

Everes comyntas texanus

Texas Tailed Blue

Glaucopsyche lygdamus

palosverdesensis

Palos Verdes Blue

Hemiargus thomasi bethune-bakeri

Miami Blue Butterfly

Icaricia icarioides missionensis

Mission Blue

Icaricia icarioides moroensis

Moro Bay Blue

Icaricia icarioides pheres

Pheres Blue

Iolau diametra natalica

Lepidochryso ps jame si classensi

Lepidochryso ps jame si jame si

Lepidochryso ps methymna dicksoni

Lepidochryso ps oreas oreas

Lycaeides argyrognomon lotis

Lotis Blue

Lycaeides melissa samuelis

Karner Blue

Lycaena dorcas claytoni

Clayton's Copper

Maculinea teleius burdigalensis

Scarce Large Blue

Mitoura gryneus sweadneri

Sweadner's Hairstreak

Notarhynus binghami

Oreolyce doher tyi

Naga Hedge Blue

Ornipholidotos peucetia penningtoni

White Mimic

Panchala ganesa loomisi

Tailless Blue

Phasis thero cedarbergae

Philotiella speciosa bohartorum

Bohart's Blue

Plebejus emigidionis

San Emigdio Blue

Plebejus icarioides missionensis

Mission Blue

Poecilmitis brooksi tearei

Poecilmitis nigricans nigricans

Blue Jewel Copper

Poecilmitis nigricans zwartbergae

Blue Jewel Copper

Poecilmitis pyroeis hersaleki

Pseudalmenus chlorinda chlorinda

Pseudalmenus chlorinda conara

Shijimiaeoides langstoni langstoni

Langston's Blue

Spindasis collinsi

Strymon acis bartrami

Bartram's Hairstreak

Styx infernalis

Thestor dicksoni calviniae

Dickson's Thestor

Thestor dicksoni dicksoni

Dickson's Thestor

Thestor montanus pictus

Tuxentius melaena griqua

Uranotauma usambarae

Family MEGATHYMIDAE

Stallingsia maculosus

Manfreda Giant Skipper

Family NOCTUIDAE

- Catocala marmorata*
Marbled Underwing Moth
Catocala pretiosa
Precious Underwing Moth
Erythroecia hebardii
Hebard's Noctuid Moth
Lithophane lemmeri
Lemmer's Noctuid Moth
Pyreferra ceromatica
Ceromatic Noctuid Moth

Family NYMPHALIDAE

- Anaea floralis*
Florida Leafwing
Antanartia borbonica
Antanartia borbonica mauritiana
Apaturopsis kilusa
Apaturopsis pauliani
Charaxes cowani
Charaxes druceanus entabeni
Silver Barred Charaxes
Charaxes druceanus williamsi
Charaxes durnfordi nicholi
Chestnut Rajah
Charaxes karkloof capensis
Charaxes marieps
Charaxes usambarae
Charaxes xiphares desmondi
Charaxes xiphares xiphares
Western Forest Emperor
Cymothoe alcimeda alcimeda
Battling Glider
Cymothoe amaniensis
Cymothoe aurivillii
Cymothoe magambae
Cymothoe melanjae
Cymothoe teita
Doleschallia bisaltide andamana
Andaman Leafwing
Euphydryas editha bayensis
Bay Checkerspot Butterfly
Euphydryas editha monoensis
Mono Checkerspot Butterfly
Euryphura achlys
Mottled Green
Euthalia malapana
Euxanthe madagascariensis
Fabriciana elisa
Corsican Fritillary
Heliconius charitonius peruvianus
Heteronympha cordacea compta

- Hypolimnias antevorta*
Hypolimnias dubius drucei
Neptis manasa
Pale Hockeystick Sailer
Phalanta philiberti
Neptis nyctea
Neptis sankara nar
Phyciodes batesi
Tawny Crescent Butterfly
Salamis angustina
Salamis Retrecie
Salamis angustina angustina
Salamis Retrecie
Salamis angustina vinsoni
Sasakia charonda
Satyrodes eurydice fumosa
Smokey Eyed Brown Butterfly
Smerina manoro
Speyeria adiate atossa
Atossa
Speyeria callippe callippe
Callippe Silverspot
Speyeria hydaspe conquista
Silverspot
Speyeria idalia
Regal Fritillary
Speyeria nokomis caeruleascens
Blue Silverspot
Speyeria nokomis nokomis
Great Basin Silverspot
Speyeria zerene behrensi
Behren's Silverspot
Speyeria zerene hippolyta
Oregon Silverspot
Speyeria zerene myrtleae
Myrtle's Fritillary

Family PAPILIONIDAE

- Eurytides lysithous harrisianus*
Harris' Mimic Swallowtail
Graphium alebion chungianus
Graphium antiphates ceylonicus
Sri Lankan Five-bar Swallowtail
Papilio aristodemus ponceanus
Schaus' Swallowtail
Papilio desmondi teita
Taita Blue-banded Papilio
Papilio phorbanta nana
Parnassius apollo vinningensis
Parnassius clodius shepardii
Shepard's Clodius Parnassian
Parnassius clodius strohbeeni
Strohbeen's Clodius Parnassian

Troides aeacus kaguya

Family PIERIDAE

- Artogeia virginensis*
West Virginia White
Belenois orgygia
Euchloe hyantis andrewsi
Andrew's Marble Butterfly
Mylothris carcassoni
Pieris krueperi devta

Family PYRALIDAE

- Kupea electilis*
Margaronia cyanomichla
Blue Margaronian
Margaronia exaula
Green Margaronian
Oeoblia dryadopa
Ohenaupaka Oeobian Moth

Family RIODINIDAE

- Apodemia mormo langei*
Lange's Metalmark

Family SATYRIDAE

- Cercyonis sthenele sthenele*
Sthenele Wood Nymph
Erebia annada annada
Erebia gorgone
Gavarnie Ringlet
Erebia narasingha narasingha
Erebia ottomana
Ottoman Brassy Ringlet
Erebia scipio
Larche Ringlet
Erebia sthenyo
False Dewy Ringlet
Erebia sudetica
Sudeten Ringlet
Lethe distans
Scarce Red Forester
Lethe dura gammiei
Lethe europa tamuna
Lethe gemina gafuri
Lethe margaritae
Lethe ocellata lyncus
Lethe ramadeva
Lethe satyavati
Neonympha mitchelli mitchelli
Mitchell's Satyr Butterfly
Pararge menava maeroides
Stygionympha dicksoni
Dickson's Brown

- Ypthima dohertyi persimilis*
- Family **SESIIDAE**
Synanthedon castaneae
Chestnut Clearwing Moth
- Family **SPHINGIDAE**
Celerio wilsoni perkinsi
Euproserpinus euterpe
Kern Primrose Sphinx Moth
Manduca blackburni
Blackburn's Sphinx Moth
- Family **TORTRICIDAE**
Grapholitha edwardsiana
San Francisco Tree Lupine
Spheterista oheoheana
Ohe Ohe Leaf-roller Moth
Spheterista pterotropiana
Green-Banded Ohe Ohe Leaf-roller Moth
Spheterista reynoldsiana
Wallupe Leaf-Roller Moth
- Order **MECOPTERA**
- Family **APTEROPANORPIDAE**
Apteropanorpa tasmanica
- Order **NEUROPTERA**
- Family **HEMEROBIIDAE**
Nesothauma halakalae
Haleakala Spongillafly
Pseudopsectra cookeorum
Cooke's Spongillafly
Pseudopsectra lobipennis
Lobc-wing Spongillafly
Pseudopsectra swezeyi
Swezey's Spongillafly
Pseudopsectra usingeri
Usinger's Spongillafly
- Family **ITHONIDAE**
Oliarces clara
- Family **MYRMELEONTIDAE**
Eidoleon perjurus
Molokai Antlion
- Order **ORTHOPTERA**
- Family **ACRIDIDAE**
Podisomopsis transsylvanica
- Family **RHAPHIDOPHORIDAE**
Pristoceuthophilus sp.
Samwell Cave Cricket
- Family **STENOPELMATIDAE**
Deinacrida sp.
Mahoenui Giant Weta
Deinacrida carinata
Herekopare Island Weta
Deinacrida tibiospina
Nelson Alpine Weta
Hemiandrus sp.
Tusked Weta
Hemidaina ricta
Banks Peninsula Weta
- Order **PLECOPTERA**
- Family **CAPNIIDAE**
Capnia lacustra
Lake Tahoe Benthic Stonefly
- Family **EUSTHENIIDAE**
Eusthenia reticulata
- Family **LEUCTRIDAE**
Leuctra szczytkoi
Schoolhouse Springs Stonefly
- Family **NEMOURIDAE**
Lednia tumana
Meltwater Stonefly
Nemours wahkeena
Wahkeena Falls Flightless Stonefly
- Family **NOTONEMOURIDAE**
Kimminsoperla bilaba
Kimminsoperla williamsi
- Family **PELTOPERLIDAE**
Soliperla fenderi
Fender's Stonefly
- Family **PERLIDAE**
Beloneuria georgiana
Georgia Stonefly
Beloneuria jamesae
Cheaha Stonefly
Hansonoperla appalachia
Hanson's Appalachian Stonefly
- Family **TAENIOPTERYGIDAE**
Taeniopteryx starki
Leon River Stonefly
- Order **THYSANURA**
- Family **MACHILIDAE**
Machiloides heteropus
Hawaiian Long-palp Bristletail
Machiloides perkinsi
Perkin's Club-palp Bristletail
- Order **TRICHOPTERA**
- Family **GLOSSOSOMATIDAE**
Agapetus artesus
Artesian Caddisfly
Agapetus denningi
Denning's Caddisfly
Agapetus medicus
Arkansas Caddisfly
Protoptila arca
San Marcos Caddisfly
- Family **HYDROPTILIDAE**
Hydroptila decia
Knoxville Micro Caddisfly
Neotrichia kitae
Kite's Micro Caddisfly
Ochrotrichia alsea
Alsea Micro Caddisfly
Ochrotrichia contorta
Contorted Micro Caddisfly
Ochrotrichia phenosa
Deschutes Micro Caddisfly
Ochrotrichia provosti
Provost's Micro Caddisfly
Ochrotrichia vertreesi
Vertree's Micro Caddisfly
Oxyethira florida
Florida Micro Caddisfly
- Family **KOKIRIIDAE**
Taskiria mccubbini
Taskropsyche lacustris
- Family **LEPIDOSTOMATIDAE**
Lepidostoma fischeri
Fischer's Caddisfly
Lepidostoma goedeni
Goeden's Caddisfly
- Family **LEPTOCERIDAE**
Ceraclea floridana
Florida Longhorn Caddisfly
Ceraclea vertreesi
Vertree's Caddisfly
Oecetis parva
Little Longhorn Caddisfly

Westriplectes pedderensis

Family LIMNEPHILIDAE

Apatania tavalala

Cascades Caddisfly

Archaeophylax vernalis

Cryptochia excella
Kings Canyon Caddisfly

Cryptochia neosa

Blue Mountains Caddisfly

Ecclisomyia bilera

King's Creek Caddisfly

Farula davisi

Green Springs Mountain Caddisfly

Farula jewetti

Mount Hood Caddisfly

Farula reaperi

Tombstone Prairie Caddisfly

Glyphopsyche missouri

Missouri Caddisfly

Limnephilus alconura

Kiamath Caddisfly

Limnephilus atercus

Fort Dick Caddisfly

Neothramma andersoni

Colombian Gorge Caddisfly

Oligophlebodes mostbento

Tombstone Prairie Oligophlebodes

Philocasca oron

Clatsop Caddisfly

Family ODONTOCERIDAE

Psilotreta hansonii

Family PHILOPOTAMIDAE

Dolophilodes oregona

Oregon Caddisfly

Family PHILORHEITHRIDAE

Ramiheithrus kocinus

Family PLECTROTARSIDAE

Nanoptectrus truchnasi

Family POLYCENTROPODIDAE

Tasmanoplegas spilota

Family RHYACOPHILIDAE

Rhyacophila alexandra

Alexander's Caddisfly

Rhyacophila colonus

Obrien Caddisfly

Rhyacophila fenderi

Fender's Caddisfly

Rhyacophila haddocki

Haddock's Caddisfly

Rhyacophila lineata

Castle Crags Caddisfly

Rhyacophila mosana

Bilobed Caddisfly

Rhyacophila spinata

Spiny Caddisfly

Rhyacophila unipunctata

One-spot Caddisfly

Family SERICOSTOMATIDAE

Agarodes ziezac

Zigzag Blackwater Caddisfly

Family STENOPSYCHIDAE

Stenopsychodes lineata

Order ZORAPTERA

Family ZOROTYPIDAE

Zorotypus swezeyi

Swezey's Zoroapteran

Class ONYCHOPHORA

Order ONYCHOPHORA

Family PERIPATOPSIDAE

Tasmanipatus barretti

Class BIVALVIA

Order UNIONOIDA

Family HYRIIDAE

Hyridella moretonicus

Family MARGARITIFERIDAE

Margaritifera monodonta

Spectacle Case

Family UNIONIDAE

Alasmidonta arcuata

Altamaha Arcmussel

Alasmidonta atropurpurea

Cumberland Elktoe

Alasmidonta heterodon

Dwarf Wedge Mussel

Alismodonta varicosa

Brook Floater

Anodonta californensis

California Floater

Carunculina cylindrellus

Pale Lilliput

Carunculina lividus

Purple Lilliput

Carunculina pullus

Savannah Lilliput

Dysnomia brevidens

Cumberlandian Combshell

Dysnomia capsaeformis

Oyster Mussel

Dysnomia florentina curtisi

Curtis Pearlymussel

Dysnomia florentina florentina

Yellow-blossom

Dysnomia florentina walkeri

Tan Riffleshell

Dysnomia metastrata

Upland Combshell

Dysnomia obliquata obliquata

Catspaw

Dysnomia obliquata perobliqua

White Catspaw

Dysnomia othcaloogensis

Southern Acornshell

Dysnomia penita

Southern Combshell

Dysnomia torulosa gubernaculum

Green-blossom

Dysnomia torulosa rangiana

Northern Riffleshell

Dysnomia torulosa torulosa

Tuberclad-blossom

Dysnomia triquetra

Snuffbox

Dysnomia turgidula

Turgid-blossom

Elliptio jayensis

Flat Spike

Elliptio marsupibesa

Cape Fear Spike

Elliptio waccamawensis

Waccamaw Spike

Lampsilis australis

Southern Sandshell

Lampsilis salinasensis

Salina Mucket

Lampsilis subangulata

Shinyrayed Pocketbook

Leguminaia compressa

Nephronaias sloatianus

Purple Bankclimber

Quadrula cylindrica strigillata

Rough Rabbitsfoot

Quadrula intermedia

Cumberland Monkeyface

Simpsoniconcha ambigua

Salamander Mussel

Truncilla cognata

Mexican Fawnsfoot

Unio elongatulus
Villosa choctawensis
 Choctaw Bean
Villosa fabalis
 Rayed Bean
Villosa ortmanni
 Kentucky Creekshell
Villosa perpurpurea
 Purple Bean
Villosa trabalis
 Cumberland Bean

Order **VENEROIDA**

Family **PISIDIIDAE**
Pisidium sanguinichristi
Pisidium ultramontanum
 Montane Peaclam

Class **GASTROPODA**

Order **BASOMMATOPHORA**

Family **PLANORBIDAE**
Helisoma jacksonense
 Jackson Lake Snail

Order **MESOGASTROPODA**

Family **ASSIMINEIDAE**
Omphalotropis exquisita
Omphalotropis innesi

Family **DIPLOMMATINIDAE**

Diplommatina hyalina
Palaina strigata kororensis

Family **HYDROBIIDAE**

Antrobia breweri
Apachecoccus arizonae
 Bylas Springsnail
Beddomeia hermanni
Coxiella striata
Mexithauma churinceanus
quadripaludium
 Mexithauma de Cienegas Snail
Nymphophilus minckleyi
 Nymphophilus de Minckley Snail
Phrantela marginata
Pseudotricula eberhardi
Pyrgulopsis neomexicana
 Socorro Snail
Pyrgulopsis ogmoraphe
 Royal Marstonia
Nanocochlea parva

Family **PUPINIDAE**

Pupina coxeni
Pupina pfeifferi

Order
STYLOMMATOPHORA

Family **CAMAENIDAE**
Amplirhagada novella
Turgenitubulus christenseni

Family **GEOMITRIDAE**

Actinella armitageana
Caseolus abjectus
Caseolus commixtus
Caseolus consors
Caseolus hartungi

Family **HELICARIONIDAE**

Helicarion semoni
Helicarion submissus
Theskelomensor lizardensis

Family **HELICIDAE**

Hemicycla glyceia

Family **HYGROMIIDAE**

Trochoidea spratti

Family **ORTHALICIDAE**

Bothriembryon angasianus
Bothriembryon tasmanicus

Class **TURBELLARIA**

Order **TRICLADIDA**

Family **KENKIIDAE**

Kenkia rhynchida
 Malheur Cave Planarian
Sphalloplana holsingeri
 Holsinger's Groundwater Planarian
Sphalloplana subtilis
 Biggers' Groundwater Planarian

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Annex 1

Key to Source Codes

The superscript numbers printed next to the status category (or next to the species name in the case of Lists 2, 3 and 5, which each contain species in a single category) refer to the person or group responsible for the final category designation. The sources are listed below. Most assessments have been made by members or associates of an IUCN/SSC Specialist Group (the identity of which will usually be clear from the taxonomic context). The list cites one individual in cases where the assessment has explicitly been carried out largely or entirely by one person (rarely up to three persons are named), or cites the Specialist Group title where the assessment has explicitly been a group activity. The personnel involved in that group can be determined from the current Membership Directory.

In many cases, while not being responsible for the status category assessment, other individuals or organizations have contributed key information on status, trends, taxonomy or distribution. We have attempted to specify all of these in the acknowledgements section. Much taxonomic and distribution information has been derived from the WCMC animals database, to which many sources have contributed over many years.

- | | | | |
|----|---|----|---|
| 1 | Acero, A. | 23 | Blair, D. |
| 2 | African Elephant Specialist Group | 24 | Bogan, A.E. |
| 3 | African Rhino Specialist Group | 25 | Bogan, A.E. & Seddon, M.B. |
| 4 | Alberts, A. & Perera, A. | 26 | Bouchet, P. |
| 5 | Allen, G. | 27 | Bouchet, P. & Cosel, R. von |
| 6 | Alonso, R. & Ibanez, M. | 28 | Bouchet, P. & Ripken, T. |
| 7 | American Fisheries Society Endangered Species Committee | 29 | Bouchet, P. & Seddon, M.B. |
| 8 | Amori, G. | 30 | Branch, W.R. |
| 9 | Antelope Specialist Group | 31 | Breuil, M. |
| 10 | Asian Elephant Specialist Group | 32 | Breuil, M. & Day, M. |
| 11 | Asian Rhino Specialist Group | 33 | Brown, D.S. |
| 12 | Asian Wild Cattle Specialist Group | 34 | Brown, D.S. & Griffiths, O. |
| 13 | Australasian Marsupial & Monotreme Specialist Group | 35 | Bruce, B. & Last, P. |
| 14 | Australasian Reptile & Amphibian Specialist Group | 36 | Canid Specialist Group |
| 15 | Baillie, J. | 37 | Caprinae Specialist Group |
| 16 | Beaman, K.R. | 38 | Carrington, C.M.S., Evans, G. & Horrocks, J. |
| 17 | Bear Specialist Group | 39 | Carter, R.L. & Hayes, W.K. |
| 18 | Bellamy, C.L. & Endrody-Younga, S. | 40 | Cat Specialist Group |
| 19 | Benzie, J. | 41 | Cetacean Specialist Group |
| 20 | Bills, R. | 42 | Chiroptera Specialist Group |
| 21 | BirdLife International | 43 | Clark, D. |
| 22 | Bison Specialist Group | 44 | Clark, D. & Naggs, F. |
| | | 45 | Cole, G. |
| | | 46 | Compagno, L. |
| | | 47 | Compagno, L. & Cook, S. |
| | | 48 | Contreras, L. |
| | | 49 | Contreras-Balderas, S. & Almada-Villela, P. |
| | | 50 | Conyers, J. & Wingate, D. |
| | | 51 | Cook, S. & Zorzi, G. |
| | | 52 | Cowie, R.H. & Pokryseko, B. |
| | | 53 | Cowie, R.H. |
| | | 54 | Crandall, K.A. |
| | | 55 | Crocodile Specialist Group |
| | | 56 | Davis, G.S. |
| | | 57 | Day, M. |
| | | 58 | Day, M. & Tolson, P. |
| | | 59 | Deer Specialist Group |
| | | 60 | Dutton, J. |
| | | 61 | Edentate Specialist Group |
| | | 62 | Eldredge, L.G. |
| | | 63 | Emberton, K.C. |
| | | 64 | Equid Specialist Group |
| | | 65 | European Reptile & Amphibian Specialist Group |
| | | 66 | Finet, Y. |
| | | 67 | Foster, G. |
| | | 68 | Fowler, S. |
| | | 69 | Fowler, S. & Musick, J. |
| | | 70 | Frias-Martin, A. |
| | | 71 | Gasgoigne, A. |
| | | 72 | George, S. |

73	Gerber, G.	130	Pangolin Specialist Group
74	Gibson, R.	131	Pearce-Kelly, P.
75	Gimenez-Dixon, M.	132	Pearson, O.
76	Goodyear, N.	133	Perez, A.M.
77	Griffiths, H.I.	134	Pethiyagoda, R.
78	Griffiths, O.	135	Pigs & Peccaries Specialist Group
79	Haase, M.	136	Polar Bear Specialist Group
80	Haddad, C.F.B.	137	Ponder, W.F. & Varman, R.
81	Hadfield, M. & Hadway, L.	138	Ponder, W.F.
82	Hafner, D.	139	Ponder, W.F. & Slack-Smith, S.
83	Hamer, M.	140	Ponder, W.F. & Smith, B.
84	Hare, J.	141	Ponder, W.F. & Stanistic, J.
85	Harrison, D.	142	Preece, R.C.
86	Heaney, L.	143	Primate Specialist Group
87	Heller, J.	144	Punt, A.
88	Henderson, R.	145	Reid, J.W.
89	Hippo Specialist Group	146	Rentz, D.C.F.
90	Hounsome, M.	147	Roberts, C.
91	Huntsman, G.	148	Rodent Specialist Group
92	Hyaena Specialist Group	149	Roth, B.
93	Hyrax Specialist Group	150	Sadovy, Y.
94	Iliffe, T.M.	151	Safina, C.
95	Inland Water Crustacean Specialist Group	152	Schembri, P.J.
96	Insectivore Specialist Group	153	Seal Specialist Group
97	Kaufman, L.	154	Seddon, M.B.
98	Kessner, V.	155	Seddon, M.B. & Solem, A.
99	Kessner, V. & Ponder, W.F.	156	Sherley, G.
100	Kilburn, R.N.	157	Sirenia Specialist Group
101	Kottelat, M.	158	Skelton, P.
102	Kurczewski, F.E.	159	Sket, B.
103	Kuzmin, S.L.	160	Slack-Smith, S.
104	Lagomorph Specialist Group	161	Smith, B.
105	Lepidoptera Specialist Group	162	Sobel, J.
106	Madagascar Reptile & Amphibian Specialist Group	163	Social Insects Specialist Group
107	Maeda-Martinez, A.M.	164	South American Camelid Specialist Group
108	Mansur, M.C.D.	165	Stanistic, J.
109	Marine Turtle Specialist Group	166	Starmühlner, F.
110	Markezich, A.L.	167	Steffek, J.
111	McAllister, D.	168	Stiassny, M.
112	McCance, E.	169	Straeten, E. van der
113	McDowall, R.M. & Simons, M.	170	Sturgeon Specialist Group
114	Mitchell, J.	171	Tapir Specialist Group
115	Mollusc Specialist Group	172	Tattersfield, P.
116	Musick, J.	173	Tchabovsky, A.
117	Mustelid Specialist Group	174	Tolson, P.
118	Mylonas, M.	175	Tomiyama, K.
119	Mylonas, M. & Seddon, M.B.	176	Tortoise & Freshwater Turtle Specialist Group
120	Nellis, D.	177	Uozumi, Y.
121	New World Marsupial Specialist Group	178	Vincent, A.
122	New, T.R.	179	Wager, R.
123	Odonata Specialist Group	180	Wai, H.
124	Odum, R.A.	181	Wells, S.
125	Orthopteroid Specialist Group	182	Wiewandt, T.
126	Ottenwalder, J.	183	Winter, A. J. de
127	Otter Specialist Group	184	Wolf Specialist Group
128	Palazzi, S.	185	World Conservation Monitoring Centre
129	Palazzi, S. & Ripken, T.	186	Wuster, W.
		999	source unknown

Annex 2

The IUCN Red List Categories

Preamble

The following points present important information on the use and interpretation of the categories (= Critically Endangered, Endangered, etc.), criteria (= A to E), and sub-criteria (= a, b etc., i, ii etc.):

1. Taxonomic Level and Scope of the Categorization Process

The criteria can be applied to any taxonomic unit at or below the species level. The term "taxon" in the following notes, definitions and criteria is used for convenience, and may represent species or lower taxonomic levels, including forms that are not yet formally described. There is a sufficient range among the different criteria to enable the appropriate listing of taxa from the complete taxonomic spectrum, with the exception of micro-organisms. The criteria may also be applied within any specified geographical or political area although in such cases special notice should be taken of point 11 below. In presenting the results of applying the criteria, the taxonomic unit and area under consideration should be made explicit. The categorization process should only be applied to wild populations inside their natural range, and to populations resulting from benign introductions (defined in the draft IUCN Guidelines for Reintroductions as "...an attempt to establish a species, for the purpose of conservation, outside its recorded distribution, but within an appropriate habitat and eco-geographical area").

2. Nature of the Categories

All taxa listed as Critically Endangered qualify for Vulnerable and Endangered, and all listed as Endangered qualify for Vulnerable. Together these categories are described as "threatened". The threatened species categories form a part of the overall scheme. It will be possible to place all taxa into one of the categories (see Figure 1).

3. Role of the Different Criteria

For listing as Critically Endangered, Endangered or Vulnerable there is a range of quantitative criteria; meeting any one of these criteria qualifies a taxon for listing at that level of threat. Each species should be evaluated against all the criteria. The different criteria (A-E) are

derived from a wide review aimed at detecting risk factors across the broad range of organisms and the diverse life histories they exhibit. Even though some criteria will be inappropriate for certain taxa (some taxa will never qualify under these however close to extinction they come), there should be criteria appropriate for assessing threat levels for any taxon (other than micro-organisms). The relevant factor is whether any one criterion is met, not whether all are appropriate or all are met. Because it will never be clear which criteria are appropriate for a particular species in advance, each species should be evaluated against all the criteria, and any criterion met should be listed.

4. Derivation of Quantitative Criteria

The quantitative values presented in the various criteria associated with threatened categories were developed through wide consultation and they are set at what are generally judged to be appropriate levels, even if no formal justification for these values exists. The levels for different criteria within categories were set independently but against a common standard. Some broad consistency between them was sought. However, a given taxon should not be expected to meet all criteria (A-E) in a category; meeting any one criterion is sufficient for listing.

5. Implications of Listing

Listing in the categories of Not Evaluated and Data Deficient indicates that no assessment of extinction risk has been made, though for different reasons. Until such time as an assessment is made, species listed in these categories should not be treated as if they were non-threatened, and it may be appropriate (especially for Data Deficient forms) to give them the same degree of protection as threatened taxa, at least until their status can be evaluated.

Extinction is assumed here to be a chance process. Thus, a listing in a higher extinction risk category implies a higher expectation of extinction, and over the time-frames specified more taxa listed in a higher category are expected to go extinct than in a lower one (without effective conservation action). However, the persistence of some taxa in high risk categories does not necessarily mean their initial assessment was inaccurate.

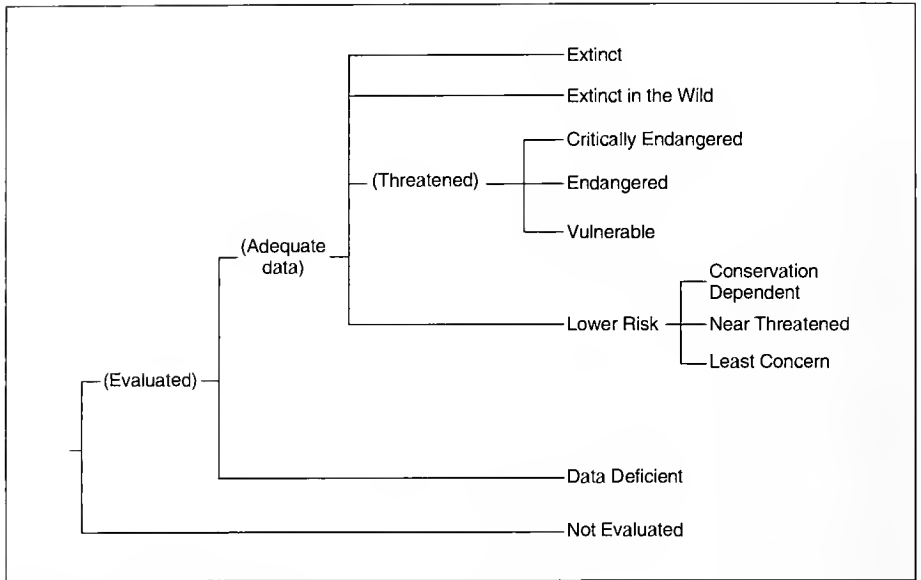


Figure 1. Structure of the Categories.

6. Data Quality and the Importance of Inference and Projection

The criteria are clearly quantitative in nature. However, the absence of high quality data should not deter attempts at applying the criteria, as methods involving estimation, inference and projection are emphasized to be acceptable throughout. Inference and projection may be based on extrapolation of current or potential threats into the future (including their rate of change), or of factors related to population abundance or distribution (including dependence on other taxa), so long as these can reasonably be supported. Suspected or inferred patterns in either the recent past, present or near future can be based on any of a series of related factors, and these factors should be specified.

Taxa at risk from threats posed by future events of low probability but with severe consequences (catastrophes) should be identified by the criteria (e.g. small distributions, few locations). Some threats need to be identified particularly early, and appropriate actions taken, because their effects are irreversible, or nearly so (pathogens, invasive organisms, hybridization).

7. Uncertainty

The criteria should be applied on the basis of the available evidence on taxon numbers, trend and distribution, making due allowance for statistical and other uncertain-

ties. Given that data are rarely available for the whole range or population of a taxon, it may often be appropriate to use the information that is available to make intelligent inferences about the overall status of the taxon in question. In cases where a wide variation in estimates is found, it is legitimate to apply the precautionary principle and use the estimate (providing it is credible) that leads to listing in the category of highest risk.

Where data are insufficient to assign a category (including Lower Risk), the category of "Data Deficient" may be assigned. However, it is important to recognize that this category indicates that data are inadequate to determine the degree of threat faced by a taxon, not necessarily that the taxon is poorly known. In cases where there are evident threats to a taxon through, for example, deterioration of its only known habitat, it is important to attempt threatened listing, even though there may be little direct information on the biological status of the taxon itself. The category "Data Deficient" is not a threatened category, although it indicates a need to obtain more information on a taxon to determine the appropriate listing.

8. Conservation Actions in the Listing Process

The criteria for the threatened categories are to be applied to a taxon whatever the level of conservation action affecting it. In cases where it is only conservation action that prevents the taxon from meeting the threatened cri-

teria, the designation of “conservation dependent” is appropriate. It is important to emphasize here that a taxon require conservation action even if it is not listed as threatened.

9. Documentation

All taxon lists including categorization resulting from these criteria should state the criteria and sub-criteria that were met. No listing can be accepted as valid unless at least one criterion is given. If more than one criterion or sub-criterion was met, then each should be listed. However, failure to mention a criterion should not necessarily imply that it was not met. Therefore, if a re-evaluation indicates that the documented criterion is no longer met, this should not result in automatic down-listing. Instead, the taxon should be re-evaluated with respect to all criteria to indicate its status. The factors responsible for triggering the criteria, especially where inference and projection are used, should at least be logged by the evaluator, even if they cannot be included in published lists.

10. Threats and Priorities

The category of threat is not necessarily sufficient to determine priorities for conservation action. The category of threat simply provides an assessment of the likelihood of extinction under current circumstances, whereas a system for assessing priorities for action will include numerous other factors concerning conservation action such as costs, logistics, chances of success, and even perhaps the taxonomic distinctiveness of the subject.

11. Use at Regional Level

The criteria are most appropriately applied to whole taxa at a global scale, rather than to those units defined by regional or national boundaries. Regionally or nationally based threat categories, which are aimed at including taxa that are threatened at regional or national levels (but not necessarily throughout their global ranges), are best used with two key pieces of information: the global status category for the taxon, and the proportion of the global population or range that occurs within the region or nation. However, if applied at regional or national level it must be recognized that a global category of threat may not be the same as a regional or national category for a particular taxon. For example, taxa classified as Vulnerable on the basis of their global declines in numbers or range might be Lower Risk within a particular region where their populations are stable. Conversely, taxa classified as Lower Risk globally might be Critically Endangered within a particular region where numbers are very small or declining, perhaps only

because they are at the margins of their global range. IUCN is still in the process of developing guidelines for the use of national red list categories.

12. Re-evaluation

Evaluation of taxa against the criteria should be carried out at appropriate intervals. This is especially important for taxa listed under near threatened, or conservation dependent, and for threatened species whose status is known or suspected to be deteriorating.

13. Transfer between Categories

There are rules to govern the movement of taxa between categories. These are as follows: (A) A taxon may be moved from a category of higher threat to a category of lower threat if none of the criteria of the higher category has been met for 5 years or more. (B) If the original classification is found to have been erroneous, the taxon may be transferred to the appropriate category or removed from the threatened categories altogether, without delay (but see Section 9). (C) Transfer from categories of lower to higher risk should be made without delay.

14. Problems of Scale

Classification based on the sizes of geographic ranges or the patterns of habitat occupancy is complicated by problems of spatial scale. The finer the scale at which the distributions or habitats of taxa are mapped, the smaller will be the area that they are found to occupy. Mapping at finer scales reveals more areas in which the taxon is unrecorded. It is impossible to provide any strict but general rules for mapping taxa or habitats; the most appropriate scale will depend on the taxa in question, and the origin and comprehensiveness of the distributional data. However, the thresholds for some criteria (e.g. Critically Endangered) necessitate mapping at a fine scale.

Definitions

1. Population

Population is defined as the total number of individuals of the taxon. For functional reasons, primarily owing to differences between life-forms, population numbers are expressed as numbers of mature individuals only. In the case of taxa obligately dependent on other taxa for all or part of their life cycles, biologically appropriate values for the host taxon should be used.

2. Subpopulations

Subpopulations are defined as geographically or otherwise distinct groups in the population between which

there is little exchange (typically one successful migrant individual or gamete per year or less).

3. Mature Individuals

The number of mature individuals is defined as the number of individuals known, estimated or inferred to be capable of reproduction. When estimating this quantity the following points should be borne in mind:

- Where the population is characterized by natural fluctuations the minimum number should be used.
- This measure is intended to count individuals capable of reproduction and should therefore exclude individuals that are environmentally, behaviorally or otherwise reproductively suppressed in the wild.
- In the case of populations with biased adult or breeding sex ratios it is appropriate to use lower estimates for the number of mature individuals which take this into account (e.g. the estimated effective population size).
- Reproducing units within a clone should be counted as individuals, except where such units are unable to survive alone (e.g. corals).
- In the case of taxa that naturally lose all or a subset of mature individuals at some point in their life cycle, the estimate should be made at the appropriate time, when mature individuals are available for breeding.

4. Generation

Generation may be measured as the average age of parents in the population. This is greater than the age at first breeding, except in taxa where individuals breed only once.

5. Continuing Decline

A continuing decline is a recent, current or projected future decline whose causes are not known or not adequately controlled and so is liable to continue unless remedial measures are taken. Natural fluctuations will not normally count as a continuing decline, but an observed decline should not be considered to be part of a natural fluctuation unless there is evidence for this.

6. Reduction

A reduction (criterion A) is a decline in the number of mature individuals of at least the amount (%) stated over the time period (years) specified, although the decline need not still be continuing. A reduction should not be

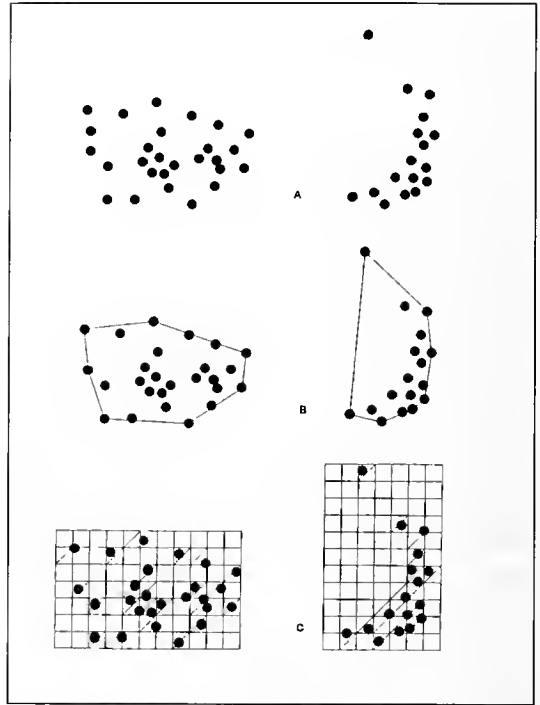


Figure 2. Two examples of the distinction between extent of occurrence and area of occupancy. (a) is the spatial distribution of known, inferred or projected sites of occurrence. (b) shows one possible boundary to the extent of occurrence, which is the measured area within this boundary. (c) shows one measure of area of occupancy which can be measured by the sum of the occupied grid squares.

interpreted as part of a natural fluctuation unless there is good evidence for this. Downward trends that are part of natural fluctuations will not normally count as a reduction.

7. Extreme Fluctuations

Extreme fluctuations occur in a number of taxa where population size or distribution area varies widely, rapidly and frequently, typically with a variation greater than one order of magnitude (i.e., a tenfold increase or decrease).

8. Severely Fragmented

Severely fragmented is refers to the situation where increased extinction risks to the taxon result from the fact that most individuals within a taxon are found in small and relatively isolated subpopulations. These small subpopulations may go extinct, with a reduced probability of recolonization.

9. Extent of Occurrence

Extent of occurrence is defined as the area contained within the shortest continuous imaginary boundary which can be drawn to encompass all the known, inferred or projected sites of present occurrence of a taxon, excluding cases of vagrancy. This measure may exclude discontinuities or disjunctions within the overall distributions of taxa (e.g., large areas of obviously unsuitable habitat) (but see “area of occupancy”). Extent of occurrence can often be measured by a minimum convex polygon (the smallest polygon in which no internal angle exceeds 180 degrees and which contains all the sites of occurrence).

10. Area of Occupancy

Area of occupancy is defined as the area within its “extent of occurrence” (see definition) which is occupied by a taxon, excluding cases of vagrancy. The measure reflects the fact that a taxon will not usually occur throughout the area of its extent of occurrence, which may, for example, contain unsuitable habitats. The area of occupancy is the smallest area essential at any stage to the survival of existing populations of a taxon (e.g. colonial nesting sites, feeding sites for migratory taxa). The size of the area of occupancy will be a function of the scale at which it is measured, and should be at a scale appropriate to relevant biological aspects of the taxon. The criteria include values in km², and thus to avoid errors in classification, the area of occupancy should be measured on grid squares (or equivalents) which are sufficiently small (see Figure 2).

11. Location

Location defines a geographically or ecologically distinct area in which a single event (e.g. pollution) will soon affect all individuals of the taxon present. A location usually, but not always, contains all or part of a subpopulation of the taxon, and is typically a small proportion of the taxon’s total distribution.

12. Quantitative Analysis

A quantitative analysis is defined here as the technique of population viability analysis (PVA), or any other quantitative form of analysis, which estimates the extinction probability of a taxon or population based on the known life history and specified management or non-management options. In presenting the results of quantitative analyses the structural equations and the data should be explicit.

The Categories

Note: As in previous IUCN categories, the abbreviation of each category (in parenthesis) follows the English denominations when translated into other languages.

Extinct (EX)

A taxon is Extinct when there is no reasonable doubt that the last individual has died.

Extinct in the Wild (EW)

A taxon is Extinct in the wild when it is known only to survive in cultivation, in captivity or as a naturalized population (or populations) well outside the past range. A taxon is presumed extinct in the wild when exhaustive surveys in known and/or expected habitat, at appropriate times (diurnal, seasonal, annual), throughout its historic range have failed to record an individual. Surveys should be over a time frame appropriate to the taxon’s life cycle and life form.

Critically Endangered (CR)

A taxon is Critically Endangered when it is facing an extremely high risk of extinction in the wild in the immediate future, as defined by any of the criteria (A to E) on pages 15, 16 and 17.

Endangered (EN)

A taxon is Endangered when it is not Critically Endangered but is facing a very high risk of extinction in the wild in the near future, as defined by any of the criteria (A to E) on pages 17 and 18.

Vulnerable (VU)

A taxon is Vulnerable when it is not Critically Endangered or Endangered but is facing a high risk of extinction in the wild in the medium-term future, as defined by any of the criteria (A to D) on pages 19, 20 and 21.

Lower Risk (LR)

A taxon is Lower Risk when it has been evaluated, does not satisfy the criteria for any of the categories Critically Endangered, Endangered or Vulnerable. Taxa included in the Lower Risk category can be separated into three subcategories:

1. **Conservation dependent (cd)**. Taxa which are the focus of a continuing taxon-specific or habitat-specific conservation program targeted towards the

taxon in question, the cessation of which would result in the taxon qualifying for one of the threatened categories above within a period of five years.

2. **Near threatened (nt).** Taxa which do not qualify for conservation dependent, but which are close to qualifying for Vulnerable.
3. **Least concern (lc).** Taxa which do not qualify for conservation dependent or near threatened.

Data Deficient (DD)

A taxon is Data Deficient when there is inadequate information to make a direct, or indirect, assessment of its risk of extinction based on its distribution and/or population status. A taxon in this category may be well studied, and its biology well known, but appropriate data on abundance and/or distribution is lacking. Data Deficient is therefore not a category of threat or Lower Risk. Listing of taxa in this category indicates that more information is required and acknowledges the possibility that future research will show that threatened classification is appropriate. It is important to make positive use of whatever data are available. In many cases great care should be exercised in choosing between DD and threatened status. If the range of a taxon is suspected to be relatively circumscribed, if a considerable period of time has elapsed since the last record of the taxon, threatened status may well be justified.

Not Evaluated (NE)

A taxon is Not Evaluated when it has not yet been assessed against the criteria.

The Criteria for Critically Endangered, Endangered and Vulnerable

Critically Endangered (CR)

A taxon is Critically Endangered when it is facing an extremely high risk of extinction in the wild in the immediate future, as defined by any of the following criteria (A to E):

A. Population reduction in the form of either of the following:

1. An observed, estimated, inferred or suspected reduction of at least 80% over the last 10 years or three generations, whichever is the longer, based on (and specifying) any of the following:

- (a) direct observation
- (b) an index of abundance appropriate for the taxon
- (c) a decline in area of occupancy, extent of occurrence and/or quality of habitat
- (d) actual or potential levels of exploitation
- (e) the effects of introduced taxa, hybridization, pathogens, pollutants, competitors or parasites.

2. A reduction of at least 80%, projected or suspected to be met within the next ten years or three generations, whichever is the longer, based on (and specifying) any of (b), (c), (d) or (e) above.

B. Extent of occurrence estimated to be less than 100 km² or area of occupancy estimated to be less than 10 km², and estimates indicating any two of the following:

1. Severely fragmented or known to exist at only a single location.
2. Continuing decline, observed, inferred or projected, in any of the following:
 - (a) extent of occurrence
 - (b) area of occupancy
 - (c) area, extent and/or quality of habitat
 - (d) number of locations or subpopulations
 - (e) number of mature individuals.
3. Extreme fluctuations in any of the following:
 - (a) extent of occurrence
 - (b) area of occupancy
 - (c) number of locations or subpopulations
 - (d) number of mature individuals.

C. Population estimated to number less than 250 mature individuals and either:

1. An estimated continuing decline of at least 25% within 3 years or one generation, whichever is longer or
2. A continuing decline, observed, projected, or inferred, in numbers of mature individuals and population structure in the form of either:
 - (a) severely fragmented (i.e. no subpopulation estimated to contain more than 50 mature individuals)
 - (b) all individuals are in a single subpopulation.

D. Population estimated to number less than 50 mature individuals.

E. Quantitative analysis showing the probability of extinction in the wild is at least 50% within 10 years or 3 generations, whichever is the longer.

Endangered (EN)

A taxon is Endangered when it is not Critically Endangered but is facing a very high risk of extinction in the wild in the near future, as defined by any of the following criteria (A to E):

A. Population reduction in the form of either of the following:

1. An observed, estimated, inferred or suspected reduction of at least 50% over the last 10 years or three generations, whichever is the longer, based on (and specifying) any of the following:
 - (a) direct observation
 - (b) an index of abundance appropriate for the taxon
 - (c) a decline in area of occupancy, extent of occurrence and/or quality of habitat
 - (d) actual or potential levels of exploitation
 - (e) the effects of introduced taxa, hybridization, pathogens, pollutants, competitors or parasites.
2. A reduction of at least 50%, projected or suspected to be met within the next ten years or three generations, whichever is the longer, based on (and specifying) any of (b), (c), (d) or (e) above.

B. Extent of occurrence estimated to be less than 5000 km² or area of occupancy estimated to be less than 500 km², and estimates indicating any two of the following:

1. Severely fragmented or known to exist at no more than five locations.
2. Continuing decline, inferred, observed or projected, in any of the following:
 - (a) extent of occurrence
 - (b) area of occupancy
 - (c) area, extent and/or quality of habitat
 - (d) number of locations or subpopulations
 - (e) number of mature individuals.

3. Extreme fluctuations in any of the following:

- (a) extent of occurrence
- (b) area of occupancy
- (c) number of locations or subpopulations
- (d) number of mature individuals.

C. Population estimated to number less than 2,500 mature individuals and either:

1. An estimated continuing decline of at least 20% within 5 years or 2 generations, whichever is longer, or
2. A continuing decline, observed, projected, or inferred, in numbers of mature individuals and population structure in the form of either:
 - (a) severely fragmented (i.e. no subpopulation estimated to contain more than 250 mature individuals)
 - (b) all individuals are in a single subpopulation.

D. Population estimated to number less than 250 mature individuals.

E. Quantitative analysis showing the probability of extinction in the wild is at least 20% within 20 years or 5 generations, whichever is the longer.

Vulnerable (VU)

A taxon is Vulnerable when it is not Critically Endangered or Endangered but is facing a high risk of extinction in the wild in the medium-term future, as defined by any of the following criteria (A to E):

A. Population reduction in the form of either of the following:

1. An observed, estimated, inferred or suspected reduction of at least 20% over the last 10 years or three generations, whichever is the longer, based on (and specifying) any of the following:
 - (a) direct observation
 - (b) an index of abundance appropriate for the taxon
 - (c) a decline in area of occupancy, extent of occurrence and/or quality of habitat
 - (d) actual or potential levels of exploitation
 - (e) the effects of introduced taxa, hybridization, pathogens, pollutants, competitors or parasites.

2. A reduction of at least 20%, projected or suspected to be met within the next ten years or three generations, whichever is the longer, based on (and specifying) any of (b), (c), (d) or (e) above.

B. Extent of occurrence estimated to be less than 20,000 km² or area of occupancy estimated to be less than 2,000 km², and estimates indicating any two of the following:

1. Severely fragmented or known to exist at no more than ten locations.
2. Continuing decline, inferred, observed or projected, in any of the following:
 - (a) extent of occurrence
 - (b) area of occupancy
 - (c) area, extent and/or quality of habitat
 - (d) number of locations or subpopulations
 - (e) number of mature individuals.
3. Extreme fluctuations in any of the following:
 - (a) extent of occurrence
 - (b) area of occupancy
 - (c) number of locations or subpopulations
 - (d) number of mature individuals.

C. Population estimated to number less than 10,000 mature individuals and either:

1. An estimated continuing decline of at least 10% within 10 years or 3 generations, whichever is longer, or

2. A continuing decline, observed, projected, or inferred, in numbers of mature individuals and population structure in the form of either
 - (a) severely fragmented (i.e. no subpopulation estimated to contain more than 1,000 mature individuals)
 - (b) all individuals are in a single subpopulation.

D. Population very small or restricted in the form of either of the following:

1. Population estimated to number less than 1,000 mature individuals.
2. Population is characterized by an acute restriction in its area of occupancy (typically less than 100 km²) or in the number of locations (typically less than 5). Such a taxon would thus be prone to the effects of human activities (or stochastic events whose impact is increased by human activities) within a very short period of time in an unforeseeable future, and is thus capable of becoming Critically Endangered or even Extinct in a very short period.

E. Quantitative analysis showing the probability of extinction in the wild is at least 10% within 100 years.

**Previous Editions of the
*IUCN Red List of Threatened Animals***

1986 IUCN Red List of Threatened Animals. Compiled by the IUCN Conservation Monitoring Centre. IUCN, Gland, Switzerland. 105 pp.

1988 IUCN Red List of Threatened Animals. Compiled by the IUCN Conservation Monitoring Centre. Guest Essay by B. Wilcox. IUCN, Gland, Switzerland. 154 pp.

1990 IUCN Red List of Threatened Animals. Compiled by the World Conservation Monitoring Centre. Guest Essay by N. Flesness and T. Foose. IUCN, Gland, Switzerland. 192 pp.

1994 IUCN Red List of Threatened Animals. Compiled by the World Conservation Monitoring Centre. Edited by B. Groombridge. Guest Essay by G. Mace. IUCN, Gland, Switzerland. 286 pp.

IUCN Species Survival Commission

The Species Survival Commission (SSC) is one of six volunteer commissions of IUCN – The World Conservation Union, a union of sovereign states, government agencies, and non governmental organizations. IUCN has three basic conservation objectives: to secure the conservation of nature, and especially of biological diversity, as an essential foundation of the future; to ensure that where the earth's natural resources are used this is done in a wise, equitable, and sustainable way; and to guide the development of human communities towards ways of life that are both of good quality and in enduring harmony with other components of the biosphere.

The SSC's mission is to conserve biological diversity by developing and executing programs to study, save, restore, and manage wisely species and their habitats. A volunteer network comprised of nearly 7,000 scientists, field researchers, government officials, and conservation leaders from 179 countries, the SSC membership is an unmatched source of information about biological diversity and its conservation. As such, SSC members provide technical and scientific counsel for conservation projects throughout the world and serve as resources to governments, international conventions, and conservation organizations.

The Red Data Book concept was originated by a former SSC Chair, Sir Peter Scott, in the mid 1960s. Red Data Books are catalogues of information on species threatened with extinction, and they aim to focus attention to the plight of the earth's vanishing wildlife. The concept has been outstandingly successful and three decades later, many national, regional and global Red Data Books have been published. Many more countries are in the process of compiling their own lists of threatened species.

The demand for a simple international list that categorizes the status of globally threatened taxa is growing, partly as a result of the increasing number of international conventions. It was to meet this need that the first IUCN Red List of Threatened Animals was published in 1986. Further editions were published in 1988, 1990, and 1994.

Late in 1994, IUCN adopted a new system of categories of threat, the *1996 IUCN Red List of Threatened Animals* is its first full application. An objective set of criteria is used to determine species status as well as the factors that are threatening them. The process of developing, testing, and validating the new system has involved nearly 1,000 SSC members so far, and is continuing. Due to its transparent nature, it is easy to re-evaluate the status of a species in light of new information, and in this way, the Red List should be viewed as a living document.

Although the length of the Red List is sobering, the information it presents is of fundamental value to scientists, managers, and decision makers responsible for the health and well being of our environment.

