# Extinct and endangered ('E&E') birds: a proposed list for collection catalogues

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#### **SUMMARY**

Specimens of extinct and endangered ("E&E") birds are often, and rightly, the subject of elevated curatorial vigilance and care, and the publication of museum holdings of such species is regarded as a valuable contribution to conservation information. However, the definition of E&E species has varied over time and has in part been a matter of curatorial discretion. Using the species listed in BirdLife International's (2000) *Threatened birds of the world*, but setting filters to eliminate species whose population levels are likely to remain high, we derive a list of 481 species (129 extinct, 352 extant) which we propose as core to any E&E list; local, national, regional or taxonomic interests might prompt individual museums to include other taxa in their 'E&E' lists.

The publication of lists of museum specimens deemed to be rare, chiefly because the species they represent are deemed to be rare, has been a preoccupation of curators of museums for many years. In part this is a valuable public service, drawing attention to material which may have relevance to an understanding of the conservation options for the species in question, and possibly reducing the necessity for further collecting of particular taxa by indicating the availability of material (Snow 1972); and in part it is a practical means of demonstrating to the world the global significance of a particular collection. Ever since the synthesis by Phillips (1929), but particularly following the appearance of Greenway (1958, 1967) and the various editions of the Red Data Books of ICBP (now BirdLife International) from the 1960s, opportunities have arisen for museums to publish their holdings with respect to species identified as extinct or as at risk of extinction (without pretending this to be an exhaustive list, we know of: Berlioz 1935, Meyer de Schauensee 1941, Stresemann 1954, Mertens & Steinbacher 1955, Steinbacher 1959, Jouanin 1962, Howes 1969, Benson 1972, Fisher 1981, Violani et al. 1984, Torres-Mura 1991 and, of course, Knox & Walters 1994 and Boev 2003).

During discussions at the workshops (14–15 November 1999) following the conference 'Why Museums Matter', the seeds were sown for two major inventory projects: (i) a global database of avian type specimens, and (ii) a similar inventory and catalogue covering international holdings of extinct and endangered ('E&E') species (Cooper & Steinheimer 2003). The first of these is now well under way, founded on the amalgamated existing type catalogues of several major institutions, which happily include some of the largest type collections in the world (Bruckert in press); having such catalogues already in existence has proved a great advantage to the type project. However, E&E collections are not yet covered to the same degree and compilation of a global, or even European, catalogue will therefore, for the time being, remain a longer-term prospect.

A fundamental problem raised at the meeting is that the world list of E&E birds is by no means static—indeed it is unfortunately steadily on the increase—nor are

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there agreed criteria for what is most appropriate to include. Clearly, if an international catalogue is to become a reality, it must be based on a standard, unifying species list. By introducing such a list here, based on the publication of *Threatened birds of the world* (BirdLife International 2000), we hope to provide an objective starting point for any institution considering its own E&E catalogue and also for the integration of such catalogues in the future. However, compilation of an E&E catalogue may prove to be a time-consuming task, especially for larger collections. An initial step should therefore be to use the list provided here to compile a simple inventory of numbers of specimens held; such an inventory should ideally include all specimens—not only skins, but also skeletons, fluid preserved material, and eggs.

The original Natural History Museum (Tring) catalogue of E&E bird species (Knox & Walters 1994) was based on a species list generated from a combination of publications, primarily the ICBP Red Data Books, using objective criteria where possible. However, assimilating species data from multiple sources in this way is a complex task, and in the absence of a comprehensive categorised source many endangered taxa were omitted, as the authors pointed out (Knox & Walters 1994: 7). A single source of information and a simple system of decision-making are therefore preferable, and BirdLife International (2000) now offers a convenient, up-to-date and objectively assessed solution to this problem with details of both endangered and extinct species.

Specimens of extinct and endangered birds may be historically interesting or scientifically important, but above all they are either irreplaceable or very nearly so. In the preface of Knox & Walters (1994: 1), David Snow emphasised the continuing 'need to conserve as carefully as possible and obtain the greatest possible amount of information from specimens of extinct and threatened species that have already been collected'. We fully endorse this need; for, put bluntly, new specimens of these species are likely to reach collections only very infrequently, and we must therefore preserve with particular care what material we already have. On the occasions that these species do reach collections, we must be aware that we have a responsibility to preserve them in the most suitable way and to maximise the material saved.

The extra care with which E&E specimens are treated normally means setting them aside in restricted-access cabinets. However, while it remains important to know what E&E material is held in any given institution, it is clearly impractical, probably undesirable and often plainly unnecessary to place all globally threatened species in a designated E&E collection. Some species will simply be too numerous in the wild and/or in collections to warrant or even to allow removal to a separate secure holding. Moreover, there are simply too many threatened species for a comprehensive E&E security exercise: apart from the 128 extinctions since 1500, BirdLife International (2000) documents no fewer than 1,186 species that are globally threatened. Our aim has therefore been to reduce this list to those species whose global populations are most numerically weak, and therefore least likely to yield many (or any) new specimens in the foreseeable future. We have selected among the IUCN criteria applied by and outlined in BirdLife International (2000), excluding all species which qualify under category A (rapid decline irrespective of population



size) and including a subset of species on the basis of small range and/or small population size, factors that indicate a species's overall scarcity and therefore the low likelihood of specimens having reached (or ever now reaching) museum collections. A summary of all IUCN Red List categories—for the complete version see IUCN (2001)—is given in Table 1; our chosen criteria (and their categories) are given in Table 2. We use criteria triggering the categories Extinct, Extinct in the Wild, Critically Endangered, Endangered and Vulnerable; we omit the categories Conservation Dependent, Near Threatened and Data Deficient.

We include all 128 Extinct (EX) species listed by Brooks (2000) plus one extra (see legend to Appendix). This comprises all those judged to have gone extinct since 1500, and is restricted to valid taxonomic entities and full biological species. Although some published E&E lists, including Knox and Walters (1994), treat subspecies, we resist doing so here, because it makes sense to maintain conformity with Brooks (2000) and BirdLife International (2000), because there *are* no global lists of extinct and/or endangered subspecies, and because there is little scope for generating such lists with appropriate authority in the near future. Nevertheless, this is not at all to imply that subspecies have no place in E&E collections: if curators use, at least as a starting point, the subspecies treated in King (1978-1979)—where these have not been elevated to species level or where the taxa do not themselves already comprise a threatened species—they have a valuable starting point.

We include all three Extinct in the Wild (EW) species listed in BirdLife International (2000). These are species that are 'known only to survive... in captivity or as a naturalised population (or populations) well outside the past range' (BirdLife International 2000).

We select those Critically Endangered (CR) species that meet the criteria for small declining range, small declining population and/or very small population (see Table 2). Effectively, this filters out species that may be experiencing rapid population declines but nevertheless still have relatively widespread and probably at least moderate current populations, and are likely to be represented well enough in certain collections, such as White-rumped Vulture *Gyps bengalensis* and Long-billed Vulture *G indicus*. Even so, the number of CR species only drops from 182 to 170.

We accept only those Endangered (EN) and Vulnerable (VU) species that are numerically rare in the wild. Species classified as Vulnerable owing to very small

TABLE 1 IUCN Red List criteria for determining degree of threat (BirdLife International 2000).

Criterion	Definition
A	Rapid population reduction
В	Small range and fragmented, declining or fluctuating
C	Small population and declining
D1	Very small population
<b>D2</b>	Very small range
E	Quantitative analysis







TABLE 2

IUCN Red List criteria used to determine species included in the proposed E&E list (edited from complete set of criteria given in BirdLife International 2000: 22-23).

Threat category <b>Extinct</b> (EX)	General criterion no reasonable doubt that last individual dead (since 1500)	Main criterion —
Extinct in the Wild (EW)	Only known to survive in captivity	_
Critically Endangered (CR)	<b>B</b> small range and fragmented, declining or fluctuating	extent of occurrence estimated <100km²
	C small population and declining <b>D1</b> very small population	population <250 mature individuals population <50 mature individuals
Endangered (EN) Vulnerable (VU)	<b>D1</b> very small population <b>D1</b> very small population	population <250 mature individuals population <1,000 mature individuals

range (typically  $<100 \text{ km}^2$ ) are omitted, thereby removing from the list species whose populations may still be relatively large, such as White-necked Petrel *Pterodroma cervicalis* which, despite a breeding range of only 2 km², has a stable population of c.50,000 pairs. The effect of these filters is to reduce the EN list from 321 to 106 and the VU list from 680 to 73. (Interestingly, the result is fewer VU species than EN ones, despite the fact that the filter is more stringent on EN species, where the numerical threshold is 250 individuals, than it is on VU species, where the threshold is 1,000.)

By virtue of these filters, the basic list of E&E species reduces by almost twothirds, from 1,315 (1,186 + 129) to 481 (see Appendix). It needs to be stressed, however, that the system used in deriving this figure cannot be expected to provide for every circumstance. Among the excluded species are such notable 'rarities' as Blue-billed Curassow Crax alberti, Bornean Peacock Pheasant Polyplectron schleiermacheri, Moluccan Woodcock Scolopax rochussenii, Purple-winged Ground Dove Claravis godefrida, Tolima Dove Leptotila conoveri, Madagascar Red Owl Tyto soumagnei, Flores Scop Owl Otus alfredi, Recurve-billed Bushbird Clytoctantes alixii, Black-hooded Antwren Formicivora erythronotos, Slender Antbird Rhopornis ardesiaca, Noisy Scrubbird Atrichornis clamosus, Van Dam's Vanga Xenopirostris damii, Grey-crowned Crocias Crocias langbianis and Biak Monarch Monarcha brehmii. These are all long-recognised species which are now, and are very likely to remain, extremely rare in museum collections. Nevertheless, all are species which BirdLife International (2000) has reasonably assumed to be at least moderately numerous in the wild. Other absentees are a host of relatively newly described species, among them Udzungwa Forest Partridge Xenoperdix udzungwensis, Okinawa Rail Gallirallus okinawae, Talaud Rail Gymnocrex talaudensis, El Oro Parakeet Pyrrhura orcesi, Congo Bay Owl Phodilus prigoginei, Itombwe Nightjar Caprimulgus prigoginei, Orange-bellied Antwren Terenura sicki, Grey-winged Cotinga Tijuca



condita, Kaempfer's Tody-tyrant Hemitriccus kaempferi, Sidamo Lark Heteromirafra sidamoensis, Appert's Greenbul Phyllastrephus apperti, Apolinar's Wren Cistothorus apolinari, Rusty-throated Wren Babbler Spelaeornis badeigularis, Algerian Nuthatch Sitta ledanti and Chocó Vireo Vireo masteri, some of which are known by one or two specimens only and (again) none of which is likely to be represented by large series in the foreseeable future.

Such apparent anomalies are an inevitable consequence of the clear yet crude filtering mechanism we apply, but we doubt whether further adjustment would optimise the resulting list (which will in any case, as noted earlier, always be changing with changes in the status of species over time). It is perfectly reasonable that museum curators might want to adjust our proposed E&E list according to their own perceptions and interests. This might be because they decide that certain additional species treated in BirdLife International (2000), such as those listed in the preceding paragraph, ought to be included; but it might also be because they hold specimens of species that are in some way rare or threatened or indeed extinct at the local, national, regional or taxonomic (subspecific) level; or because they are aware of 'museum rarity', irrespective of the situation in the wild, and choose to act on that basis also a good example would be the White-winged Potoo Nyctibius leucopterus, which probably occurs throughout Amazonia and is therefore not treated at all by BirdLife International, but which apparently remains known from three specimens only (Holyoak 2001). Rarity in collections irrespective of global conservation status is clearly a valid criterion for extra curatorial care, but only when museum catalogues are much more advanced and widely available will it be possible to establish a moderately robust system for identifying such species.

Nevertheless, we propose that the 481 species in the Appendix serve as the basic elements of new E&E initiatives in museums; whatever else might be added to this number, we submit that, for the sake of clarity when information is ultimately available to be pooled, nothing should at present be subtracted from it. Of course, how the birds on this Appendix are to be treated must remain a matter of curatorial discretion. In some cases they might simply be tagged as 'E&E' in a museum catalogue database (it is, naturally, desirable to tag all globally threatened birds in such a database), so that the information can at least be made more immediately accessible and more widely available; in some cases they may be left where they are but given some additional curatorial attention; and in some they may be removed to separate, locked cabinets.

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#### References:

Benson, C. W. 1972. Skins of extinct or near extinct birds in Cambridge. Bull. Brit. Orn. Cl. 92: 59-68. Berlioz, J. 1935. Notice sur les spécimens naturalisés d'oiseaux éteints existant dans les collections du Muséum. Arch. Mus. Hist. Nat. (6)12: 485-495.

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- BirdLife International 2000. *Threatened birds of the world*. Lynx Edicions & BirdLife International, Barcelona & Cambridge, U.K.
- Boev, Z. 2003. Specimens of extinct and threatened birds in the collections of the National Museum of Natural History in Sofia, Bulgaria. Bull. Brit. Orn. Cl. 123A: 234-245.
- Brooks, T. 2000. Extinct. Pp.701-708 in *Threatened birds of the world*. Lynx Edicions & BirdLife International, Barcelona & Cambridge, U.K.
- Bruckert, R. In press. A relational data-base as a tool in ornithological taxonomy and comparative systematics. Conference Proceedings of the 2<sup>nd</sup> European Symposium 'Bird collections in Europe the challenges of mutal co-operation'. Bonner Zoologische Beiträge
- Cooper, J. H. & Steinheimer, F. D. 2003. Report from the workshops 14-15 November 1999: increased co-operation between bird collections. *Bull. Brit. Orn. Cl.* 123A: 355-360.
- Fisher, C. T. 1981. Specimens of extinct, endangered or rare birds in the Merseyside County Museums, Liverpool. *Bull. Brit. Orn. Cl.* 101: 276-285.
- Greenway, J. C. 1958. Extinct and vanishing birds of the world. American Committee for International Wild Life Protection (Spec. Publ. 13), New York.
- Greenway, J. C. 1967. Extinct and vanishing birds of the world. Second (revised) edition. Dover Publications, New York.
- Holyoak, D. T. 2001. Nightjars and their allies: the Caprimulgiformes. Oxford Univ. Press.
- Howes, C. A. 1969. A survey of extinct and nearly extinct birds in the Royal Albert Memorial Museum, Exeter. Bull. Brit. Orn. Cl. 89: 89-92.
- IUCN. 2001. IUCN Red List categories and criteria, version 3.1. IUCN-The World Conservation Union, Gland, Switzerland.
- Jouanin, C. 1962. Inventaire des oiseaux éteint ou en voie d'extinction conservés au Muséum de Paris. *Terre et Vie* 109: 257-301.
- King, W. B. 1978-1979. *Red Data Book, 2: Aves.* Second edition. International Union for Conservation of Nature and Natural Resources, Morges, Switzerland. [Reprinted 1981 as *Endangered birds of the world*. Smithsonian Institution Press, Washington, D.C.]
- Knox, A. G. & Walters, M. P. 1994. Extinct and endangered birds in the collections of The Natural History Museum. British Ornithologists' Club, Occasional Publications 1, Tring.
- Mertens, R. & Steinbacher, J. 1955. Die im Senckenberg-Museum vorhandenen Arten ausgestorbener, aussterbender oder seltener Vögel. Senckenbergiana Biologica 36: 241-265.
- Meyer de Schauensee, R. 1941. Rare and extinct birds in the collections of the Academy of Natural Sciences of Philadelphia. *Proc. Acad. Nat. Sci. Philadelphia* 93: 281-324.
- Phillips, J. C. 1929. An attempt to list the extinct and vanishing birds of the Western Hemisphere with some notes on recent status, location of specimens, etc. Pp.503-534 in F. Steinbacher (ed.) *Verhandlungen des VI. Internationalen Ornitologen-Kongresses in Kopenhagen 1926.*
- Snow, D. W. 1972. A recommendation for cooperative action by museums and private ornithological collectors, with the aim of preventing the overcollecting of rare and threatened species. *Proc. XV Internatn. Orn. Congr.*: 21-22.
- Steinbacher, J. 1959. Weitere Angaben über ausgestorbene, aussterbende und seltene Vögel im Senckenberg-Museum. Senckenbergiana Biologica 40: 1-14.
- Stresemann, E. 1954. Ausgestorbene und aussterbende Vogelarten vertreten im Zoologischen Museum zu Berlin. *Mitt. Zool. Mus. Berlin* 30: 38-53.
- Torres-Mura, J. C. 1991. Aves amenazadas de extinción conservadas en la colección del Museo Nacional de Historia Natural. Noticiario Mensural Museo Nacional de Historia Natural (Santiago) 318: 7-15.
- Violani, C., Daturi, A. & Cagnolaro, L. 1984. Uccelli estinti e rari nei musei naturalistici di Milano, Genova e Firenze. Riv. Ital. Orn. 54: 105-178.
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## **Appendix**

Part A. Proposed list of extinct bird species for collections inventories and catalogues. In this tabulation, information on range is added for convenience, along with date of last sighting, as given by Brooks in BirdLife International (2000). Asterisked (\*) entries indicate additions to the BirdLife database since the publication of BirdLife International (2000). Sword-marked (†) entries denote species that are known only from fossils, paintings or traveller's descriptions, not from 'recent' full or partial specimens, and thus can only be expected to enter E&E collections as skeletal material.

Dromaius ater    Dromaius baudinianus
†Dromaius baudinianus Kangaroo Island Emu EX Australia 1827  Podicipedidae Podiceps andinus Colombian Grebe EX Colombia 1977 Podilymbus gigas Atitlán Grebe EX Guatemala 1986  Procellariidae †Bulweria bifax St Helena Bulwer's Petrel EX St Helena 1550 †Pterodroma rupinarum St Helena Gadfly Petrel EX St Helena 1550  Hydrobatidae Oceanites maorianus New Zealand Storm Petrel EX New Zealand 1850  Phalacrocoracidae Phalacrocorax perspicillatus Pallas's Cormorant EX Galapagos Islands 1850  Ardeidae Ixobrychus novaezelandiae New Zealand Little Bittern EX New Zealand 1900 †Nycticorax duboisi Réunion Night Heron EX Mascarenes 1674 †Nycticorax mauritianus Mauritius Night Heron EX Mascarenes 1700 †Nycticorax megacephalus Rodrigues Night Heron EX Mascarenes 1750  Threskiornithidae †Threskiornis solitarius Réunion Flightless Ibis EX Mascarenes 1750 Anatidae †*Alopochen kervazoi Réunion Island Sheldgoose EX Mascarenes 1674
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Phalacrocoracidae       Phalacrocorax perspicillatus       Pallas's Cormorant       EX       Galapagos Islands       1850         Ardeidae       Ixobrychus novaezelandiae       New Zealand Little Bittern       EX       New Zealand       1900         †Nycticorax duboisi       Réunion Night Heron       EX       Mascarenes       1674         †Nycticorax mauritianus       Mauritius Night Heron       EX       Mascarenes       1700         Threskiornithidae       †Threskiornis solitarius       Réunion Flightless Ibis       EX       Mascarenes       1750         Anatidae       †*Alopochen kervazoi       Réunion Island Sheldgoose       EX       Mascarenes       1674
Phalacrocoracidae       Phalacrocorax perspicillatus       Pallas's Cormorant       EX       Galapagos Islands       1850         Ardeidae       Ixobrychus novaezelandiae       New Zealand Little Bittern       EX       New Zealand       1900         †Nycticorax duboisi       Réunion Night Heron       EX       Mascarenes       1674         †Nycticorax mauritianus       Mauritius Night Heron       EX       Mascarenes       1700         Threskiornithidae       †Threskiornis solitarius       Réunion Flightless Ibis       EX       Mascarenes       1750         Anatidae       †*Alopochen kervazoi       Réunion Island Sheldgoose       EX       Mascarenes       1674
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Alanahan maniforma Manifolia Chaldada EV Managaria
†Alopochen mauritianus Mauritian Shelduck EX Mascarenes 1698
†Anas marecula Amsterdam Island Duck EX Amsterdam Island 1800
†Anas theodori Mauritian Duck EX Mascarenes 1710
Camptorhynchus labradorius Labrador Duck EX Canada & USA 1875
Mergus australis Auckland Island Merganser EX Auckland Islands 1902
Falconidae Caracara lutosus Guadalupe Caracara EX Guadalupe 1900
Phasianidae Argusianus bipunctatus Double-banded Argus EX ?Malaysia 1900
Coturnix novaezelandiae New Zealand Quail EX New Zealand 1875
Rallidae †Aphanapteryx bonasia Red Rail EX Mascarenes 1700
†Aphanapteryx leguati Rodrigues Rail EX Mascarenes 1761
Aramides gutturalis Red-throated Wood Rail EX Peru 1850
†Atlantisia elpenor Ascension Flightless Crake EX Ascension Island 1815
†Atlantisia podarces St Helena Crake EX St Helena 1550
Cabalus modestus Chatham Rail EX Chatham Islands 1900
†Fulica newtoni Mascarene Coot EX Mascarenes 1693
Gallinula nesiotis Tristan Moorhen EX Tristan da Cunha 1900
Gallirallus dieffenbachii Dieffenbach's Rail EX Chatham Islands 1872
†Gallirallus pacificus Tahiti Rail EX Tahiti 1940
Gallirallus sharpei Sharpe's Rail EX Indonesia 1900
Gallirallus wakensis Wake Island Rail EX Wake Island 1945
Nesoclopeus poecilopterus Bar-winged Rail EX Fiji 1973
Porphyrio albus Lord Howe Island Swamphen EX Lord Howe Island 1834
†Porphyrio coerulescens Réunion Gallinule EX Mascarenes 1730





	†Porphyrio mantelli	North Island Takahe	EX	New Zealand	1850
	†Porphyrio kukwiedei	New Caledonia Gallinule	EX	New Caledonia	1860
	†Porzana astrictocarpus	St Helena Rail	EX	St Helena	1550
	Porzana monasa	Kosrae Crake	EX	Caroline Islands	1875
	†Porzana nigra	Miller's Rail	EX	Tahiti	1800
	Porzana palmeri	Laysan Crake	EX	Hawaiian Islands	1944
	Porzana sandwichensis	Hawaiian Crake	EX	Hawaiian Islands	1884
Haematopodidae	Haematopus meadewaldoi	Canary Islands Oystercatcher		Canary Islands	1950
Scolopacidae	†Prosobonia ellisi	White-winged Sandpiper	EX	Society Islands	1800
	Prosobonia leucoptera	Tahitian Sandpiper	EX	Tahiti	1800
Alcidae	Pinguinus impennis	Great Auk	EX	North Atlantic	1852
Raphidae	†Pezophaps solitaria	Rodrigues Solitaire	EX	Mascarenes	1770
	Raphus cucullatus	Dodo	EX	Mascarenes	1662
Columbidae	Alectroenas nitidissima	Mauritius Blue Pigeon	EX	Mascarenes	1840
	†Alectroenas rodericana	Rodrigues Pigeon	EX	Mascarenes	1750
	†Columba duboisi	Réunion Pigeon	EX	Mascarenes	1750
	Columba jouyi	Ryukyu Pigeon	EX	Okinawa & Daito Is.	1936
	Columba versicolor	Bonin Woodpigeon	EX	Bonin Is.	1889
	†Dysmoropelia dekarchiskos	St Helena Dove	EX	St Helena	1550
	Ectopistes migratorius	Passenger Pigeon	EX	USA & Canada	1914
	†Gallicolumba ferruginea	Tanna Ground Dove	EX	Vanuatu	1800
	$\dagger Gallicolumba$ norfolciensis	Norfolk Island Ground Dove	EX	Norfolk Island	1800
	Microgoura meeki	Choiseul Pigeon	EX	Solomon Islands	1904
	Ptilinopus mercierii	Red-moustached Fruit Dove	EX	Marquesas Islands	1950
Psittacidae	†Amazona martinicana	Martinique Parrot	EX	Martinique	1800
	†Amazona violacea	Guadeloupe Parrot	EX	Guadalupe	1800
	†Ara atwoodi	Dominican Green-and- yellow Macaw	EX	Dominica	1850
	†Ara erythrocephala	Jamaican Green-and- yellow Macaw	EX	Jamaica	1850
	†Ara gossei	Jamaican Red Macaw	EX	Jamaica	1800
	†Ara guadeloupensis	Lesser Antillean Macaw	EX	Guadalupe	1800
	Ara tricolor	Cuban Macaw	EX	Cuba	1850
	†Aratinga labati	Guadeloupe Parakeet	EX	Guadalupe	1800
	Conuropsis carolinensis	Carolina Parakeet	EX	USA	1918
	Cyanoramphus ulietanus	Raiatea Parakeet	EX	Raiatea	1773
	Cyanoramphus zealandicus	Black-fronted Parakeet	EX	Society Islands	1850
	†Lophopsittacus bensoni	Mauritius Grey Parrot	EX	Mascarenes	1800
	†Lophopsittacus mauritianus	Broad-billed Parrot	EX	Mascarenes	1700
	Mascarinus mascarinus	Mascarene Parrot	EX	Mascarenes	1834
	†Necropsittacus rodericanus	Rodrigues Parrot	EX	Mascarenes	1761
	Nestor productus	Norfolk Island Kaka	EX	Norfolk Islands	1851
	Psephotus pulcherrimus	Paradise Parrot	EX	Australia	1927
	Psittacula exsul	Newton's Parakeet	EX	Mascarenes	1875
	Psittacula wardi	Seychelles Parakeet	EX	Sevchelles	1900
Cuculidae	Coua delalandei	Snail-eating Coua	EX	Madagascar	1834
- 30 011000	†Nannococcyx psix	St Helena Cuckoo	EX	St Helena	1800
	1				1000



Strigidae	†Mascarenotus grucheti	Réunion Owl	EX	Mascarenes	1650
	†Mascarenotus murivorus	Rodrigues Owl	EX	Mascarenes	1726
	†Mascarenotus sauzieri	Mauritius Owl	EX	Mascarenes	1859
	Sceloglaux albifacies	Laughing Owl	EX	New Zealand	1970
Trochilidae	Chlorostilbon bracei	Brace's Emerald	EX	Bahamas	1900
	Chlorostilbon elegans	Gould's Emerald	EX	Jamaica & Bahamas	1900
Upupidae	$\dagger U$ pupa antaois	St Helena Hoopoe	EX	St Helena	1550
Acanthisittidae	Xenicus longipes	Bush Wren	EX	New Zealand	1972
	Xenicus lyalli	Stephens Island Wren	EX	New Zealand	1900
Turdinae	Myadestes oahensis	'Amaui	EX	Hawaiian Islands	1825
	Turdus ravidus	Grand Cayman Thrush	EX	Cayman Islands	1938
	Zoothera terrestris	Bonin Thrush	EX	Bonin Islands	1889
Sylviinae	Bowdleria rufescens	Chatham Island Fernbird	EX	Chatham Islands	1900
	Nesillas aldabrana	Aldabra Warbler	EX	Seychelles	1983
Malurinae	Gerygone insularis	Lord Howe Gerygone	EX	Lord Howe Island	1936
Monarchinae	Myiagra freycineti	Guam Flycatcher	EX	Guam	1983
	Pomarea pomarea	Maupiti Monarch	EX	Society Islands	1850
Pachycephalinae	Turnagra capensis	South Island Piopio	EX	New Zealand	1963
	Turnagra tanagra	North Island Piopio	EX	New Zealand	1955
Zosteropidae	Zosterops strenuus	Robust White-eye	EX	Lord Howe Island	1928
Meliphagidae	Anthornis melanocephala	Chatham Island Bellbird	EX	Chatham Islands	1906
	Chaetoptila angustipluma	Kioea	EX	Hawaiian Islands	1900
	Moho apicalis	O'ahu 'O'o	EX	Hawaiian Islands	1850
	Moho bishopi	Bishop's 'O'o	EX	Hawaiian Islands	1981
	Moho braccatus	Kaua'i 'O'o	EX	Hawaiian Islands	1987
	Moho nobilis	Hawai'i 'O'o	EX	Hawaiian Islands	1934
Drepanididae	Akialoa ellisiana	O'ahu 'Akialoa	EX	Hawaiian Islands	1940
1	Akialoa lanaiensis	Maui Nui 'Akialoa	EX	Hawaiian Islands	1900
	Akialoa obscura	'Akialoa	EX	Hawaiian Islands	1940
	Akialoa stejnegeri	Kaua'i 'Akialoa	EX	Hawaiian Islands	1969
	Ciridops anna	Ula-'ai-hawane	EX	Hawaiian Islands	1937
	Drepanis funerea	Black Mamo	EX	Hawaiian Islands	1907
	Drepanis pacifica	Hawai'i Mamo	EX	Hawaiian Islands	1898
	Dysmorodrepanis munroi	Lana'i Hookbill	EX	Hawaiian Islands	1920
	Paroreomyza flammea	Kakawahie	EX	Hawaiian Islands	1963
	Psittirostra kona	Kona Grosbeak	EX	Hawaiian Islands	1894
	Rhodacanthis flaviceps	Lesser Koa-finch	EX	Hawaiian Islands	1891
	Rhodacanthis palmeri	Greater Koa-finch	EX	Hawaiian Islands	1896
	Viridonia sagittirostris	Greater 'Amakihi	EX	Hawaiian Islands	1901
Icteridae	Quiscalus palustris	Slender-billed Grackle	EX	Mexico	1910
Fringillidae	Chaunoproctus ferreorostris	Bonin Grosbeak	EX	Bonin Islands	1900
Sturnidae	Aplonis corvina	Kosrae Starling	EX	Caroline Islands	1880
Staringuo	Aplonis fusca	Norfolk Starling	EX	Norfolk Islands	1923
	Aplonis mavornata	Mysterious Starling	EX	Cook Islands	1825
	Fregilupus varius	Réunion Starling	EX	Mascarenes	1860
	†Necropsar rodericanus	Rodrigues Starling	EX	Mascarenes	1726
Callaeidae	Heteralocha acutirostris	Huia	EX	New Zealand	1907
Callacidae	meteratoena acultrostris	Huld	EΛ	New Zealalla	1707





Part B. A proposed list of endangered bird species for collections inventories and catalogues. In this tabulation, basic information on range—sometimes very generalised—is added for convenience, as given in BirdLife International (2000), but largely excluding countries from which the species in question has (or is thought to have) become extinct. Asterisked (\*) entries indicate additions to the BirdLife database since publication.

Family	Scientific Name	Common Name	Red List	Range
			Catego	•
Tinamidae	Crypturellus saltuarius	Magdalena Tinamou	CR	Colombia
	Nothoprocta kalinowskii	Kalinowski's Tinamou	CR	Peru
Podicipedidae	*Rollandia microptera	Titicaca Flightless Grebe	EN	Peru
	Tachybaptus rufolavatus	Alaotra Grebe	CR	Madagascar
	Podiceps taczanowskii	Junín Grebe	CR	Peru
Diomedeidae	Diomedea amsterdamensis	Amsterdam Albatross	CR	Amsterdam Island
	Phoebastria albatrus	Short-tailed Albatross	VU	Japan
	Thalassarche eremita	Chatham Albatross	CR	New Zealand
Procellariidae	Pseudobulweria aterrima	Mascarene Black Petrel	CR	Mascarenes
	Pseudobulweria becki	Beck's Petrel	CR	Papua New Guinea, Solomon Islands
	Pseudobulweria macgillivrayi	Fiji Petrel	CR	Fiji
	Pterodroma axillaris	Chatham Petrel	CR	Chatham Islands
	Pterodroma magentae	Chatham Island Taiko	CR	Chatham Islands
	Pterodroma madeira	Zino's Petrel	CR	Madeira
	Pterodroma cahow	Bermuda Petrel	EN	Bermuda
	Pterodroma caribbaea	Jamaica Petrel	CR	Jamaica
	Procellaria conspicillata	Spectacled Petrel	CR	Tristan da Cunha
	Puffinus auricularis	Townsend's Shearwater	CR	Revillagigedo Islands
	Puffinus heinrothi	Heinroth's Shearwater	VU	Papua New Guinea, Solomon Islands
Hydrobatidae	Oceanodroma macrodactyla	Guadalupe Storm Petrel	CR	Guadalupe (Mexico)
Sulidae	Papasula abbotti	Abbott's Booby	CR	Christmas Island (Australia)
Phalacorcoracidae	Phalacrocorax harrisi	Galápagos Cormorant	EN	Galapagos Islands
	Phalacrocorax carunculatus	New Zealand King Shag	VU	New Zealand
Fregatidae	Fregata andrewsi	Christmas Island Frigatebird	CR	Christmas Island (Australia)
Ardeidae	Ardea insignis	White-bellied Heron	EN	Bhutan, India, Bangladesh, Myanmar
	Gorsachius magnificus	White-eared Night Heron	EN	China
	Gorsachius goisagi	Japanese Night-heron	EN	Japan, Philippines
Ciconiidae	Ciconia stormi	Storm's Stork	EN	Malaysia, Indonesia
	Leptoptilos dubius	Greater Adjutant	EN	India, Cambodia
Threskiornithidae	Bostrychia bocagei	Dwarf Olive Ibis	CR	São Tomé
	Geronticus eremita	Northern Bald Ibis	CR	Morocco, Middle East
	Pseudibis davisoni	White-shouldered Ibis	CR	South-East Asia
	Thaumatibis gigantea	Giant Ibis	CR	Cambodia, Thailand, Vietnam
	Nipponia nippon	Crested Ibis	EN	China
	Platalea minor	Black-faced Spoonbill	EN	North and South Korea
Anatidae	Branta sandvicensis	Hawaiian Goose	VU	Hawaiian Islands
	Tadorna cristata	Crested Shelduck	CR	Russia, South Korea, Japan





	Cairina scutulata	White-winged Duck	EN	NE India to Indochina, Indonesia
	Anas laysanensis	Laysan Duck	VU	Hawaiian Islands
	Anas bernieri	Madagascar Teal	EN	Madagascar
	Anas aucklandica	Auckland Island Teal	VU	Auckland Islands
	Anas nesiotis	Campbell Island Teal	CR	Campbell Islands
	Rhodonessa caryophyllacea	Pink-headed Duck	CR	North-east India, Bangladesh
	Aythya innotata	Madagascar Pochard	CR	Madagascar
	Mergus octosetaceus	Brazilian Merganser	CR	Brazil, Argentina
Cathartidae	Gymnogyps californianus	California Condor	CR	USA
Accipitridae	Leptodon forbesi	White-collared Kite	CR	Brazil
•	Chondrohierax wilsonii	Cuban Kite	CR	Cuba
	Haliaeetus sanfordi	Sanford's Fish Eagle	VU	Papua New Guinea, Solomon Islands
	Haliaeetus vociferoides	Madagascar Fish Eagle	CR	Madagascar
	Eutriorchis astur	Madagascar Serpent Eagle	CR	Madagascar
	Circus maillardi	Réunion Harrier	EN	Mascarenes
	Circus maurus	Black Harrier	VU	Southern Africa
	Accipiter imitator	Imitator Sparrowhawk	VU	Papua New Guinea, Solomon Islands
	Accipiter gundlachi	Gundlach's Hawk	EN	Cuba
	Erythrotriorchis radiatus	Red Goshawk	VU	Australia
	Leucopternis occidentalis	Grey-backed Hawk	EN	Ecuador, Peru
	Buteo ridgwayi	Ridgway's Hawk	CR	Haiti, Dominican Republic
	Buteo galapagoensis	Galápagos Hawk	VU	Galapagos Islands
	Pithecophaga jefferyi	Philippine Eagle	CR	Philippines
	Aquila adalberti	Spanish Imperial Eagle	VU	Spain
	Spizaetus bartelsi	Javan Hawk Eagle	EN	Indonesia
Falconidae	Falco punctatus	Mauritius Kestrel	VU	Mascarenes
	Falco araea	Seychelles Kestrel	VU	Seychelles
Megapodiidae	Aepypodius bruijnii	Bruijn's Brush Turkey	VU	Indonesia
	Megapodius pritchardii	Polynesian Megapode	CR	Tonga
Cracidae	Penelope albipennis	White-winged Guan	CR	Peru
	Pipile pipile	Trinidad Piping Guan	CR	Trinidad & Tobago
	Mitu mitu	Alagoas Curassow	EW	Brazil
	Crax blumenbachii	Red-billed Curassow	EN	Brazil
Phasianidae	Francolinus ochropectus	Djibouti Francolin	CR	Djibouti
	Arborophila rufipectus	Sichuan Partridge	EN	China
	Arborophila davidi	Orange-necked Partridge	EN	Vietnam
	Arborophila cambodiana	Chestnut-headed Partridge	EN	Thailand, Cambodia
	Ophrysia superciliosa	Himalayan Quail	CR	India
	Lophura edwardsi	Edwards's Pheasant	EN	Vietnam
	Odontophorus strophium	Gorgeted Wood Quail	CR	Colombia
Turnicidae	Turnix olivii	Buff-breasted Buttonquail	EN	Australia
Gruidae	Grus americana	Whooping Crane	EN	Canada, USA
Rallidae	Sarothrura ayresi	White-winged Flufftail	EN	Ethiopia, southern Africa
	Sarothrura watersi	Slender-billed Flufftail	EN	Madagascar







	Laterallus levraudi	Rusty-flanked Crake	EN	Venezuela
	Gallirallus lafresnayanus	New Caledonian Rail	CR	New Caledonia
	Gallirallus sylvestris	Lord Howe Woodhen	EN	Lord Howe Island
	Gallirallus owstoni	Guam Rail	EW	Guam
	Rallus wetmorei	Plain-flanked Rail	EN	Venezuela
	Amaurornis olivieri	Sakalaya Rail	CR	Madagascar
	Cyanolimnas cerverai	Zapata Rail	EN	Cuba
	Porphyrio hochstetteri	South Island Takahe	EN	New Zealand
	Gallinula pacifica	Samoan Moorhen	CR	Samoa
	Gallinula silvestris	Makira Moorhen	CR	Solomon Islands
Rhynochetidae	Rhynochetos jubatus	Kagu	EN	New Caledonia
Otididae	Ardeotis nigriceps	Great Indian Bustard	EN	India
Ottalaac	Houbaropsis bengalensis	Bengal Florican	EN	India, Nepal, Cambodia,
	Houburopsis bengutensis	Bengai Fiorican	LIT	Vietnam
Haematopodidae	Haematopus chathamensis	Chatham Island Oystercatcher	EN	Chatham Islands
Charadriidae	Charadrius sanctaehelenae	St Helena Plover	EN	St Helena
	Thinornis novaeseelandiae	Shore Plover	EN	New Zealand
	Vanellus macropterus	Javanese Lapwing	CR	Indonesia
Scolopacidae	Numenius borealis	Eskimo Curlew	CR	Canada, USA, Argentina,
•				Brazil, Chile
	Numenius tenuirostris	Slender-billed Curlew	CR	Russia, S Europe, North
				Africa
	Tringa guttifer	Spotted Greenshank	EN	E Russia, South-East Asia
	Prosobonia cancellata	Tuamotu Sandpiper	EN	Tuamotu Archipelago
Recurvirostridae	Himantopus novaezelandiae	Black Stilt	CR	New Zealand
Glareolidae	Rhinoptilus bitorquatus	Jerdon's Courser	CR	India
Laridae	Larus fuliginosus	Lava Gull	VU	Galapagos Islands
	Sterna bernsteini	Chinese Crested Tern	CR	China, South-East Asia
Columbidae	Columba thomensis	Maroon Pigeon	VU	São Tomé
	Columba argentina	Silvery Woodpigeon	CR	Indonesia, Malaysia
	Columba pallidiceps	Yellow-legged Pigeon	EN	Papua New Guinea, Solomon Islands
	Columba mayeri	Pink Pigeon	EN	Mascarenes
	Zenaida graysoni	Socorro Dove	EW	Revillagigedo Islands
	Columbina cyanopis	Blue-eyed Ground Dove	CR	Brazil
	Leptotila wellsi	Grenada Dove	CR	Grenada
	Gallicolumba platenae	Mindoro Bleeding-heart	CR	Philippines
	Gallicolumba keayi	Negros Bleeding-heart	CR	Philippines
	Gallicolumba menagei	Sulu Bleeding-heart	CR	Philippines
	Gallicolumba kubaryi	Caroline Islands Ground Dove	VU	Caroline Islands
	Gallicolumba erythroptera	Polynesian Ground Dove	CR	Society Islands, Tuamotu
		•		Archipelago
	Gallicolumba salamonis	Thick-billed Ground Dove	CR	Solomon Islands
	Gallicolumba rubescens	Marquesan Ground Dove	EN	Marquesas Islands
	Phapitreron cinereiceps	Tawitawi Brown Dove	CR	Philippines
	Ptilinopus rarotongensis	Cook Islands Fruit Dove	VU	Cook Islands
	Ptilinopus huttoni	Rapa Fruit Dove	VU	Tubuai Islands





	Ptilinopus chalcurus	Makatea Fruit Dove	VU	Tuamotu Archipelago
	Ptilinopus arcanus	Negros Fruit Dove	CR	Philippines
	Ducula aurorae	Polynesian Imperial Pigeon	EN	Tahiti
	Ducula galeata	Marquesan Imperial Pigeon	CR	Marquesas Islands
	Ducula whartoni	Christmas Island Imperial Pigeon	CR	Christmas Island (Australia)
Psittacidae	Charmosyna toxopei	Blue-fronted Lorikeet	CR	Indonesia
1 Sittle Fall	Charmosyna diadema	New Caledonian Lorikeet	CR	New Caledonia
	Prioniturus verticalis	Blue-winged Racquet-tail	EN	Philippines
		Norfolk Island Green Parrot	EN	Norfolk Island
	Cyanoramphus cookii			
	Cyanoramphus forbesi	Forbes's Parakeet	EN	Chatham Islands
	Cyanoramphus malherbi	Orange-fronted Parakeet	EN	New Zealand
	Eunymphicus uvaeensis	Uvea Parakeet	EN	New Caledonia
	Neophema chrysogaster	Orange-bellied Parrot	CR	Australia
	Geopsittacus occidentalis	Night Parrot	CR	Australia
	Strigops habroptilus	Kakapo	CR	New Zealand
	Psittacula eques	Mauritius Parakeet	CR	Mascarenes
	Anodorhynchus leari	Lear's Macaw	CR	Brazil
	Anodorhynchus glaucus	Glaucous Macaw	CR	Argentina, Paraguay,
	Thought ynchus glancus	Gladeous Maeuw	CIC	Uruguay, Brazil
	Cyanopsitta spixii	Spix's Macaw	CR	Brazil
				Bolivia
	Ara glaucogularis	Blue-throated Macaw	CR	
	Aratinga brevipes	Socorro Parakeet	EN	Revillagigedo Islands
	Ognorhynchus icterotis	Yellow-eared Parrot	CR	Colombia, Ecuador
	Forpus xanthops	Yellow-faced Parrotlet	VU	Peru
	Hapalopsittaca amazonina	Rusty-faced Parrot	EN	Venezuela, Colombia
	Hapalopsittaca fuertesi	Fuertes's Parrot	CR	Colombia
	Amazona vittata	Puerto Rican Amazon	CR	Puerto Rico
	Amazona rhodocorytha	Red-browed Amazon	EN	Brazil
	Amazona versicolor	St Lucia Amazon	VU	St Lucia
	Amazona arausiaca	Red-necked Amazon	VU	Dominica
	Amazona guildingii	St Vincent Amazon	VU	St Vincent
	Amazona imperialis	Imperial Amazon	EN	Dominica
Cuculidae	Carpococcyx viridis	Sumatran Ground Cuckoo	CR	Indonesia
Cucunuae		Black-hooded Coucal	CR	
	Centropus steerii			Philippines
	Coccyzus ferrugineus	Cocos Cuckoo	VU	Cocos Island (Mexico)
Tytonidae	Tyto nigrobrunnea	Taliabu Masked Owl	EN	Indonesia
Strigidae	Otus siaoensis	Siau Scops Owl	CR	Indonesia
	Otus hartlaubi	São Tomé Scops Owl	VU	São Tomé
	Otus insularis	Seychelles Scops Owl	CR	Seychelles
	Otus capnodes	Anjouan Scops Owl	CR	Comoro Islands
	Otus moheliensis	Moheli Scops Owl	CR	Comoro Islands
	Otus pauliani	Grand Comoro Scops Owl	CR	Comoro Islands
	Ketupa blakistoni	Blakiston's Fish Owl	EN	Russia, China, Japan
	Xenoglaux loweryi	Long-whiskered Owlet	EN	Peru
	Heteroglaux blewitti	Forest Owlet	CR	India
	Ninox ios		VU	Indonesia
A (1.11.1		Cinnabar Hawk Owl		
Aegothelidae	Aegotheles savesi	New Caledonian Owlet-nightjar	CR	New Caledonia

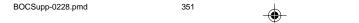






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Caprimulgidae	Siphonorhis americanus	Jamaican Pauraque	CR	Jamaica
	Caprimulgus noctitherus	Puerto Rican Nightjar	CR	Puerto Rico
	Caprimulgus candicans	White-winged Nightjar	EN	Brazil, Paraguay, Bolivia
	Caprimulgus solala	Nechisar Nightjar	VU	Ethiopia
Apodidae	Collocalia sawtelli	Atiu Swiftlet	VU	Cook Islands
•	Collocalia leucophaeus	Tahiti Swiftlet	VU	Tahiti
	Apus acuticauda	Dark-rumped Swift	VU	Bhutan, India
Trochilidae	Glaucis dohrnii	Hook-billed Hermit	EN	Brazil
	Lophornis brachylopha	Short-crested Coquette	CR	Mexico
	Lepidopyga lilliae	Sapphire-bellied Hummingbird	CR	Colombia
	Amazilia luciae	Honduran Emerald	CR	Honduras
	Amazilia castaneiventris	Chestnut-bellied Hummingbird	CR	Colombia
	Aglaeactis aliciae	Purple-backed Sunbeam	VU	Peru
	Sephanoides fernandensis	Juan Fernández Firecrown	CR	Juan Fernández Island
	Heliangelus zusii	Bogotá Sunangel	CR	Colombia
	Eriocnemis nigrivestis	Black-breasted Puffleg	CR	Ecuador
	Eriocnemis godini	Turquoise-throated Puffleg	CR	Ecuador
	Eriocnemis mirabilis	Colourful Puffleg	CR	Colombia
	Taphrolesbia griseiventris	Grey-bellied Comet	EN	Peru
	Loddigesia mirabilis	Marvellous Spatuletail	EN	Peru
	Selasphorus ardens	Glow-throated Hummingbird	VU	Panama
Alcedinidae	Todiramphus ruficollaris	Mangaia Kingfisher	VU	Cook Islands
	Todiramphus godeffroyi	Marquesan Kingfisher	EN	Marquesas Islands
	Todiramphus gambieri	Tuamotu Kingfisher	VU	Tuamotu Archipelago
	Actenoides bougainvillei	Moustached Kingfisher	VU	Papua New Guinea, Solomon Islands
Bucerotidae	Anthracoceros montani	Sulu Hornbill	CR	Philippines
	Penelopides mindorensis	Mindoro Tarictic	EN	Philippines
	Aceros waldeni	Visayan Wrinkled Hornbill	CR	Philippines
	Aceros narcondami	Narcondam Hornbill	VU	Andaman Islands
Galbulidae	Jacamaralcyon tridactyla	Three-toed Jacamar	EN	Brazil
Capitonidae	*Capito wallacei	Scarlet-banded Barbet	VU	Peru
Picidae	Colaptes fernandinae	Fernandina's Flicker	EN	Cuba
	Campephilus imperialis	Imperial Woodpecker	CR	Mexico
	Campephilus principalis	Ivory-billed Woodpecker	CR	Cuba, USA
	Sapheopipo noguchii	Okinawa Woodpecker	CR	Japan
Furnariidae	Cinclodes aricomae	Royal Cinclodes	CR	Peru, Bolivia
	Cinclodes palliatus	White-bellied Cinclodes	VU	Peru
	Aphrastura masafuerae	Masafuera Rayadito	VU	Juan Fernández Island
	Leptasthenura xenothorax	White-browed Tit Spinetail	EN	Peru
	Synallaxis courseni	Apurímac Spinetail	VU	Peru
	Synallaxis infuscata	Plain Spinetail	CR	Brazil
	Synallaxis kollari	Hoary-throated Spinetail	EN	Brazil
	Philydor novaesi	Alagoas Foliage-gleaner	CR	Brazil
Formicariidae	Clytoctantes atrogularis	Rondônia Bushbird	CR	Brazil
	Myrmotherula snowi	Alagoas Antwren	CR	Brazil
	Myrmotherula fluminensis	Rio de Janeiro Antwren	CR	Brazil



	Herpsilochmus parkeri	Ash-throated Antwren	EN	Bolivia
	Formicivora littoralis	Restinga Antwren	EN	Brazil
	Pyriglena atra	Fringe-backed Fire-eye	CR	Brazil
	Grallaria chthonia	Táchira Antpitta	EN	Venezuela
	Grallaria ridgelyi	Jocotoco Antpitta	EN	Ecuador
	Grallaria milleri	Brown-banded Antpitta	EN	Colombia
	Grallaricula ochraceifrons	Ochre-fronted Antpitta	EN	Peru
Rhinocryptidae	Merulaxis stresemanni	Stresemann's Bristlefront	CR	Brazil
remnoeryptique	Scytalopus iraiensis	Tall-grass Wetland Tapaculo	EN	Brazil
	Scytalopus psychopompus	Bahia Tapaculo	CR	Brazil
Cotingidae	Calyptura cristata	•	CR	Brazil
Colligidae	**	Kinglet Calyptura		Brazil
D: :1	Cotinga maculata	Banded Cotinga	EN	
Pipridae	Antilophia bokermanni	Araripe Manakin	CR	Brazil
Tyrannidae	Elaenia ridleyana	Noronha Elaenia	VU	Fernando de Noronha
	Anairetes alpinus	Ash-breasted Tit Tyrant	EN	Peru, Bolivia
	Phylloscartes roquettei	Minas Gerais Tyrannulet	CR	Brazil
	Phylloscartes ceciliae	Alagoas Tyrannulet	CR	Brazil
	Tyrannus cubensis	Giant Kingbird	EN	Cuba
Phytotomidae	Phytotoma raimondii	Peruvian Plantcutter	EN	Peru
Pittidae	Pitta gurneyi	Gurney's Pitta	CR	Thailand
	Pitta superba	Superb Pitta	VU	Manus (Papua New Guinea)
	Pitta anerythra	Black-faced Pitta	VU	Papua New Guinea, Solomon
	····· <b>,</b> · · ·			Islands
Alaudidae	Mirafra degodiensis	Degodi Lark	VU	Ethiopia
	Heteromirafra archeri	Archer's Lark	VU	Somalia
	Alauda razae	Raso Lark	CR	Cape Verde Islands
Hirundinidae	Eurochelidon sirintarae	White-eyed River Martin	CR	Thailand
Campephagidae	Coracina typica	Mauritius Cuckoo Shrike	VU	Mascarenes
Campephagidae	**			
D (1)	Coracina newtoni	Réunion Cuckoo Shrike	EN	Mascarenes
Pycnonotidae	Phyllastrephus leucolepis	Liberian Greenbul	CR	Liberia
	Hypsipetes olivaceus	Mauritius Bulbul	VU	Mascarenes
Laniidae	Lanius newtoni	São Tomé Fiscal	CR	São Tomé
	Laniarius brauni	Orange-breasted Bush Shrike	EN	Angola
	Laniarius amboimensis	Gabela Bush Shrike	EN	Angola
	Laniarius liberatus	Bulo Burti Boubou	CR	Somalia
	Telophorus kupeensis	Mount Kupe Bush Shrike	EN	Cameroon
	Malaconotus alius	Uluguru Bush-shrike	EN	Tanzania
Vangidae	Calicalicus rufocarpalis	Red-shouldered Vanga	VU	Madagascar
Troglodytidae	Thryothorus nicefori	Niceforo's Wren	CR	Colombia
0 7	Troglodytes tanneri	Clarión Wren	VU	Revillagigedo Islands
Mimidae	Nesomimus trifasciatus	Floreana Mockingbird	EN	Galapagos Islands
	Mimodes graysoni	Socorro Mockingbird	CR	Revillagigedo Islands
	Toxostoma guttatum	Cozumel Thrasher	CR	Cozumel (Mexico)
	Ramphocinclus brachyurus	White-breasted Thrasher	EN	Martinique, St Lucia
Turdinae		Amami Thrush	CR	* '
rurumae	Zoothera major			Japan Calaman Ialanda
	Zoothera turipavae	Guadalcanal Thrush	VU	Solomon Islands
	Myadestes myadestinus	Kama'o	CR	Hawaiian Islands



	Myadestes lanaiensis	Oloma'o	CR	Hawaiian Islands
	Myadestes palmeri	Puaiohi	CR	Hawaiian Islands
	Turdus helleri	Taita Thrush	CR	Kenya
	Copsychus sechellarum	Seychelles Magpie Robin	CR	Seychelles
Timaliinae	Malacocincla perspicillata	Black-browed Babbler	VU	Indonesia
Sylviinae	Apalis fuscigularis	Taita Apalis	CR	Kenya
Sylvillac	Bradypterus grandis	Dja River Warbler	VU	Cameroon, Gabon, Central
	Draaypierus granais	Dja River warbier	VO	African Rep.
	Acrocephalus familiaris	Millerbird	CR	Hawaiian Islands
	Acrocephalus caffer	Tahiti Reed Warbler	VU	Society Islands
	Acrocephalus rodericanus	Rodrigues Warbler	EN	Mascarenes
	Orthotomus moreaui	Long-billed Tailorbird	CR	Tanzania, Mozambique
	Macrosphenus pulitzeri	Pulitzer's Longbill	EN	Angola
	Amaurocichla bocagii	São Tomé Short-tail	VU	São Tomé
	Phylloscopus amoenus	Sombre Leaf Warbler	VU	Solomon Islands
Muscicapinae	Petroica traversi	Black Robin	EN	Chatham Islands
	Cyornis ruckii	Rueck's Blue Flycatcher	CR	Indonesia
Monarchinae	Eutrichomyias rowleyi	Caerulean Paradise Flycatcher	CR	Indonesia
	Terpsiphone smithii	Annobón Paradise Flycatcher	VU	Annobón
	Terpsiphone corvina	Seychelles Paradise Flycatcher	CR	Seychelles
	Pomarea dimidiata	Rarotonga Monarch	EN	Cook Islands
	Pomarea nigra	Tahiti Monarch	CR	Society Islands
	Pomarea mendozae	Marquesan Monarch	EN	Marquesas Islands
	Pomarea whitneyi	Fatuhiva Monarch	CR	Marquesas Islands
	Monarcha boanensis	Black-chinned Monarch	CR	Indonesia
Rhipidurinae	Rhipidura malaitae	Malaita Fantail	VU	Solomon Islands
	Colluricincla sanghirensis	Sangihe Shrike-thrush	CR	Indonesia
Dicaeidae	Dicaeum quadricolor	Cebu Flowerpecker	CR	Philippines
Nectariniidae	Nectarinia thomensis	Giant Sunbird	VU	São Tomé
	Nectarinia rockefelleri	Rockefeller's Sunbird	VU	Democratic Rep. of Congo
Zosteropidae	Zosterops ficedulinus	São Tomé White-eye	VU	São Tomé
	Zosterops chloronothos	Mauritius Olive White-eye	EN	Mascarenes
	Zosterops modestus	Seychelles White-eye	CR	Seychelles
	Zosterops rotensis	Rota Bridled White-eye	CR	North Marianas
	Zosterops nehrkorni	Sangihe White-eye	CR	Indonesia
	Zosterops albogularis	White-chested White-eye	CR	Norfolk Island
	Rukia ruki	Faichuk White-eye	CR	Faichuk group (Chuuk) in F.S.Micronesia
Meliphagidae	Notiomystis cincta	Stitchbird	VU	New Zealand
	Manorina melanotis	Black-eared Miner	EN	Australia
Emberizinae	Junco insularis	Guadalupe Junco	CR	Guadalupe (Mexico)
	Spizella wortheni	Worthen's Sparrow	EN	Mexico
	Torreornis inexpectata	Cuban Sparrow	EN	Cuba
	Atlapetes flaviceps	Yellow-headed Brush Finch	EN	Colombia
	Atlapetes pallidiceps	Pale-headed Brush Finch	CR	Ecuador
	Nesospiza wilkinsi	Grosbeak Bunting	VU	Tristan da Cunha
	Poospiza garleppi	Cochabamba Mountain Finch	EN	Bolivia



	Sporophila melanops	Hooded Seedeater	CR	Brazil
	Sporophila nigrorufa	Black-and-tawny Seedeater	VU	Bolivia, Brazil
	Sporophila zelichi	Entre Ríos Seedeater	CR	Argentina, Paraguay
	Sporophila insulata	Tumaco Seedeater	CR	Colombia
	Melanospiza richardsoni	St Lucia Black Finch	EN	St Lucia
	Camarhynchus heliobates	Mangrove Finch	CR	Galapagos Islands
Thraupinae	Conothraupis mesoleuca	Cone-billed Tanager	CR	Brazil
Tinaupinae	Nemosia rourei	Cherry-throated Tanager	CR	Brazil
Parulidae	Vermivora bachmanii	Bachman's Warbler	CR	USA, Cuba
Turundae	Dendroica angelae	Elfin-woods Warbler	VU	Puerto Rico
	Geothlypis beldingi	Belding's Yellowthroat	CR	Mexico
	Leucopeza semperi	Semper's Warbler	CR	St Lucia
Drepanididae	Telespiza ultima	Nihoa Finch	CR	Hawaiian Islands
Diepamuidae	Psittirostra psittacea	'O'u	CR	Hawaiian Islands
	Pseudonestor xanthophrys	Maui Parrotbill	VU	Hawaiian Islands
	Hemignathus lucidus	Nukupu'u	CR	Hawaiian Islands
	Oreomystis bairdi	'Akikiki	CR	Hawaiian Islands
	ř	O'ahu 'Alauahio	CR	Hawaiian Islands
	Paroreomyza maculata Melamprosops phaeosoma	Po'o-uli	CR	Hawaiian Islands
Vireonidae	Vireo caribaeus	San Andrés Vireo	CR	San Andrés (Colombia)
Icteridae	Icterus oberi	Montserrat Oriole	CR	Montserrat
icienuae	Curaeus forbesi	Forbes's Blackbird	CR	Brazil
	,	Mountain Grackle	CR	Colombia
Emimoilli doo	Macroagelaius subalaris	Yellow-throated Serin	VU	
Fringillidae	Serinus flavigula	São Tomé Grosbeak	CR	Ethiopia
	Neospiza concolor	Red Siskin	EN	São Tomé
	Carduelis cucullata			Venezuela, Colombia
	Carduelis johannis	Warsangli Linnet	EN	Somalia
	Loxia megaplaga	Hispaniolan Crossbill	EN	Haiti, Dominican Republic
E - 11.1	Pyrrhula murina	Azores Bullfinch	EN	Azores
Estrilidae	Estrilda poliopareia	Anambra Waxbill	VU	Nigeria
	Erythrura kleinschmidti	Pink-billed Parrotfinch	EN	Fiji
Ploceinae	Ploceus aureonucha	Golden-naped Weaver	EN	Democratic Rep. of Congo
	Malimbus ibadanensis	Ibadan Malimbe	EN	Nigeria
	Foudia rubra	Mauritius Fody	CR	Mascarenes
a	Foudia flavicans	Rodrigues Fody	VU	Mascarenes
Sturnidae	Aplonis santovestris	Santo Mountain Starling	VU	Vanuatu
	Aplonis pelzelni	Pohnpei Mountain Starling	CR	Pohnpei
	Aplonis cinerascens	Rarotonga Starling	VU	Cook Islands
	Leucopsar rothschildi	Bali Starling	CR	Indonesia
Oriolidae	Oriolus crassirostris	São Tomé Oriole	VU	São Tomé
Dicruridae	Dicrurus fuscipennis	Grand Comoro Drongo	EN	Comoro Islands
	Dicrurus waldenii	Mayotte Drongo	EN	Comoro Islands
Callaeidae	Callaeas cinerea	Kokako	EN	New Zealand
Corvidae	Corvus unicolor	Banggai Crow	EN	Indonesia
	Corvus kubaryi	Mariana Crow	EN	North Mariana Islands
	Corvus hawaiiensis	Hawaiian Crow	CR	Hawaiian Islands

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