

Threatened Birds of Bolivia Project 2004 to 2009

Proyecto Aves Amenazadas de Bolivia 2004 a 2009

Final Report



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Cover Photo: Critically Endangered Blue-throated Macaw *Ara glaucogularis* feeding on palm nuts, taken by the project team during the first biodiversity inventories of the new reserve in August 2009.

Meeting the Aim & Objectives

Original Aim:

Within the framework of the Bolivian Important Bird Area programme develop, implement and support conservation action on all 29 of Bolivia's globally threatened bird species.

Implementation: As planned the Threatened Birds of Bolivia project, funded by a CLP/BPCP Consolidation Award, helped support conservation of Bolivia's globally threatened bird species. We implemented conservation measures directly for six key species, carried out surveys to determine distribution for a further 19 species and supported 4 existing projects through training initiatives and the building of a national bird conservation centre to provide technical, logistic and administrative support facilities.

Original Objectives:

1) Complete Phase 2 of the Bolivian Important Bird Area (IBA) programme by carrying out field inventories, to assess the biological and conservation importance of Bolivia's 21 potential IBAs, for the country's threatened birds. In doing so determine the distributional status of two endangered, 17 vulnerable and three newly discovered endemic bird species about which there is currently insufficient data to initiate active conservation programmes.

Implementation: Biodiversity inventories of 58 sites were carried out including 48 site inventories for birds. 2,315 species including 914 bird species were identified. New distributional information was collected for a total of 27 threatened and near-threatened bird species during the inventories. The data contributed to the identification of 22 Important Bird Areas.

2) Implement Phases 3 & 4 of the Bolivian IBA programme by carrying out work that will apply internationally recommended conservation measures to each of Bolivia's threatened bird species.

Implementation: Conservation actions were implemented for the six focal species, distributional data was collected for another 19 species and existing projects for the final 4 species were supported by the building of a national bird conservation centre.

3) Use a combination of local community based conservation initiatives and biological fieldwork to implement conservation action for six of Bolivia's most threatened birds, their habitats and ecosystems. The target species are the critically endangered Royal Cinclodes *Cinclus aricomae* and Blue-throated Macaw *Ara glaucogularis*, the endangered Ash-breasted Tit-tyrant *Anairetes alpinus*, Cochabamba Mountain-finch *Poospiza garleppi* and Bolivian Spinetail *Cranioleuca henricae* and the vulnerable Horned Curassow *Pauxi unicornis*.

Implementation: The planned conservation measures were successfully implemented for each of the six target species and their habitats. Each species is now the focus of a long term conservation programme with its own staff and funding (compared to only one of these species at the beginning of the project) and two of these projects have gone on to win CLP awards in their own right.

4) Develop Bolivia's capacity for conservation with a series of targeted initiatives to train future conservationists and develop the conservation infrastructure. In doing so support five existing threatened species conservation programmes as well as future conservation projects.

Implementation: Training was provided for 90 young conservationists via an ornithology skills workshop, a fundraising and scientific writing workshop and a longer term training programme. A national bird conservation centre was built in Santa Cruz and now provides facilities to support 14 long term species conservation projects.

1 Introduction

Bolivia is one of the world's mega-diversity countries holding a large percentage of the planet's biodiversity, including over 1,400 bird species, approximately 14% of the world's bird species in roughly 0.75% of the earth's land surface. The country is similarly rich in other taxa and is therefore of critical importance for the conservation of the earth's biological diversity. Bolivia's importance is magnified because it also holds large numbers of endemic taxa. As one of the signatories of the 1992 Convention on Biodiversity (CBD) Bolivia is obligated to identify, monitor and conserve this national biodiversity (Articles 1, 7a & 7b). In contrast to its richness in biodiversity, Bolivia is economically one of the poorest countries in South America but despite this has developed an important protected areas system that contributes to fulfilling the country's CBD obligations. Since Bolivia ratified the CBD in 1994 a preliminary set of conservation priorities focusing on infrastructure requirements have been drawn up. However, resources for conserving biological diversity effectively are scarce and are best targeted on the most important areas, many of which are located out with the existing protected area network.

1.1 Conservation Importance of Bolivian Ecosystems

Bolivia contains 19 biologically distinct ecoregions, including several that make up the Tropical Andes Hotspot which is thought to be the region with the highest terrestrial diversity in the world.

Based on global patterns of avian endemism BirdLife International has defined 5 Endemic Bird Areas with conservation priorities of either Urgent or Critical and a further 4 Secondary Areas, within Bolivia (Stattersfield *et al.* 1998). Currently BirdLife International and many partner organisations are implementing an Important Bird Area (IBA) programme throughout South America. This programme aims to identify the sites in each country that are the highest priority for conservation and which if conserved would protect each country's threatened bird species as well as many other elements of globally important biodiversity. The programme uses data gathered within the country to identify and designate sites that meet regionally and nationally agreed IBA criteria (e.g. Armonia 2004).

1.2 Threats to Bolivian Ecosystems

Many Bolivian ecosystems are experiencing similar threats to other countries within the South America. Unsustainable land use practices, illegal logging, mining, road building, gas extraction, intensive agriculture, illegal animal trade and hunting are all eroding the integrity of Bolivia's ecosystems and influence all elements of biodiversity within the ecosystems not just birds (Collar *et al.* 1992, Fjeldså & Kessler 1996, Kessler & Herzog 1998, Stattersfield *et al.* 1998).

1.3 Bolivia's Threatened Birds, IBAs and Conservation

Bolivia had 29 bird species (Table 1) that were classified as threatened using IUCN criteria (BirdLife 2000) at the beginning of the Threatened Birds of Bolivia (TBB) project in 2004 and these species along with three populations of potentially threatened species were the international priorities for conservation on which the project focussed. Conservation

action for these species were developed and implemented as part of the TBB project as a means of furthering the implementation of the Bolivian IBA programme run by project partner Armonia (the local BirdLife partner). During the course of the project conservation classifications have been updated based on new information, including that generated by our TBB project, so that there are now a total of 32 bird species classed as threatened in Bolivia (BirdLife 2008).

The IBA programme is a four stage process where potential sites are identified, reviewed and designated (Stages 1 & 2). Once IBAs are designated, priorities for action among IBAs, and the conservation action to be undertaken are identified (Stage 3 of the IBA Programme). Implementation of conservation action and monitoring within the designated IBAs are the final processes (Stage 4 of the IBA Programme). In Bolivia Stage 2 of the IBA programme was initiated at a national workshop in September 2003. This workshop designated the first 23 confirmed IBAs for the country and additional sites were identified as potential IBAs (Armonia 2004).

This step-wise approach of the IBA programme to conservation of threatened birds and their habitats also fulfils the country's duties under Articles 1, 6a, 7a, 7b & 8 of the Convention of Biological Diversity. As a result the Bolivian government, were at the start of the project considering incorporating designated IBA sites into the National Priority Biodiversity plan.

Table1. Status of Bolivia's threatened birds, existing projects and proposed conservation priorities in 2004 that were the focus of the TBB project.

Species	IUCN Status ^{1,2}	Existing Project	Conservation priorities listed in Threatened Birds of the World that the TBB project aimed to meet ²
Blue-throated Macaw	Cr	Yes	Work with existing project to contribute to developing protection plan and conducting population searches
Royal Cinclodes	Cr	No	Implement sustainable land-use management, survey remaining <i>polylepis</i> habitat
Hyacinth Macaw	En	Yes	
Red-fronted Macaw	En	Yes	
White-winged Nightjar	En	No	Conduct surveys within suitable habitat
Bolivian Spinetail	En	No	Determine populations of isolated forest fragments
Yellow-rumped Antwren	En	No	Survey forest in upper tropical zone
Ash-breasted Tit-tyrant	En	No	Determine distribution
Cochabamba Mountain-finch	En	No	Habitat protection, population surveys and promote land-use alternatives
Titicaca Flightless Grebe	Vu	Yes	
Andean Flamingo	Vu	Yes	
Crowned Eagle	Vu	No	Identify key populations
Horned Curassow	Vu	No	Protection and monitoring of known sites, survey out with known range, survey unexplored areas
Wattled Curassow	Vu	Yes	
Rufous-faced Crake	Vu	No	Survey large gaps in known distribution
Military Macaw	Vu	No	Assess population status and increase the species profile

Yellow-faced Amazon	Vu	No	Determine current distribution
Bolivian Recurvebill	Vu	No	Survey forest in upper tropical zone
Ashy Antwren	Vu	No	Survey forest in upper tropical zone
Masked Antpitta	Vu	No	Increase knowledge of ecology and distribution
Scimitar-winged Piha	Vu	No	Search for new localities & population stronghold
Rufous-sided Pygmy-tyrant	Vu	No	Conduct surveys in north Bolivia
White-tailed Shrike-tyrant	Vu	No	Survey to identify additional populations
Cock-tailed tyrant	Vu	No	Survey to clarify status
Rufous-throated Dipper	Vu	No	Survey habitat in southern Bolivia
Black-masked Finch	Vu	No	Survey extensive gaps in distribution
Tucuman Mountain-finches	Vu	No	Locate and survey additional populations
Black-and-tawny Seedeater	Vu	No	Survey to determine range
Green-capped Tanager	Vu	No	Survey and determine status
Yungas Tyrannulet	Unknown	No	Determine distribution and status
Bolivian Swallow-tailed Cotinga	Unknown	No	Determine distribution and status
Screech-owl sp.	Unknown	No	Determine if new species

Sources. 1. IUCN Red List; Cr = Critically Threatened, En = Endangered, Vu = Vulnerable. 2. Threatened Birds of the Word, BirdLife International 2000.

1.4 Conservation Leadership Programme (BP Conservation Award) Projects

The Threatened Birds of Bolivia Project was developed out of the contributions three BP Conservation Programme award-winning projects in Bolivia made to the national Important Bird Area programme and to conservation of threatened bird species. The three projects were; Threatened Birds of the Bolivian Yungas (1998), Yungas 2001 and Distribution And Population Status Of The Ash-Breasted Tit-Tyrant Around Choquetanga Valley (2002). Each project included work on birds, especially threatened species, and in particular the critically endangered Royal Cinclodes *Cinclus aricomae*, endangered Ash-breasted Tit-tyrant *Anairetes alpinus*, and the vulnerable Horned Curassow *Pauxi unicornis* and Scimitar-winged Piha *Lipaugus uropygialis*. Members of the three projects, combined strengths to develop a project to tackle the issues raised directly by their previous work and to apply the experience gained more generally to the conservation of the other threatened birds species in Bolivia. The resulting Threatened Birds of Bolivia Project was awarded a CLP/BPCP consolidation award in 2004 and was originally planned to run for three years. Armonia (BirdLife Bolivia) and the project members were so successful in using the initial consolidation award to leveraging further funding for threatened species conservation in Bolivia that the length of the project was extended to 2009 by which time many of the original components of the project had been spun off into individual conservation projects that will continue long term.

2 Conservation Work Completed

The individual sections of the project are summarised in the following sections. Each is described separately for clarity but an important aspect of the overall project was that personnel were not restricted to working on just one part of the project. This allowed a continual cross fertilisation of knowledge and ideas so that the whole project benefited from the insights and experience gained in different parts. Table 1 shows each of the threatened species that this project was designed to help conserve with the conservation actions for each.

2.1 Identifying Bolivian Important Bird Areas

Ross MacLeod, Aidan MacCormick, Rodrigo Soria, Victor Garcia & Eberth Rocha

The 1998, 2001 and 2002 BP award winning teams provided data that lead to the designation of five of Bolivia's first 23 IBAs which were declared in the Bolivian National IBA workshop in September 2003 (Armonia 2004). This workshop brought together government officials, conservation NGOs and biologists to set national conservation priorities based on scientific data. This workshop also highlighted how much more data was needed about many of Bolivia's threatened species and potentially important conservation sites before decisions could be made about where scarce conservation resources should be targeted for their conservation.

It was this need for scientific data on bird distributions on which to base conservation decisions that this part of the TBB project aimed to tackle. The work was planned and carried out in conjunction with the Darwin Initiative Key Biodiversity Areas (KBA) project, which was then working in Bolivia. This allowed the ornithologists of the Threatened Birds of Bolivia project to work alongside specialists on other taxonomic groups so that the inventory data collected allows crucial conservation decisions to be made that reflect knowledge of a wide cross-section of the country's biodiversity and not just birds. Below we report on the general methods and results obtained from the inventories with more details of the bird data provided in appendices.

To allow results to be easily comparable between sites, each site inventory was conducted for a single major habitat type over an area with an approximate maximum diameter of 4 km. Normally two to three sites were inventoried in each general area visited so that data collection was for a cross-section of the habitat types in the area. In ecosystems, such as the lowland grasslands and woodlands of the Llanos de Moxos in Beni, where there is a matrix of major habitat types, data was collected concurrently from the different habitats but the results were complied separately to maintain comparability with single habitat sites. Within each site, each microhabitat was sampled in relation to its abundance in the area. Each rapid assessment site survey was conducted for a period of four to eleven full days of fieldwork, excluded the time entering and exiting the area, which in some cases took up to six days each way. The length of survey time in an area was determined by the overall species richness of the area with the objective being to sample a similar percentage of the community at each site so that survey effort and the chance of encountering the rarer species was comparable between sites. For example, in a low diversity habitat such as *Polylepis* forest in the High Andes of La Paz it was possible to identify 70% of the bird species community in as little as four days. While in some of the

lowland forest habitats twice or three times as much time was required to identify 70% of the bird species. This method of ensuring survey effort was comparable across sites was tested prior to commencement of the main fieldwork and is a much more robust than trying to survey a site in a fixed number of days or fieldwork hours (Herzog et al. 2002). At each site as well as dates and survey effort, habitat type was identified, location was recorded using GPS and altitude with a barometric altimeter. Details of the ornithological methods used during the fieldwork are given in appendix 1.

Study site selection was conducted through a process of consultations with a number of Bolivian governmental departments, non-governmental organisations and individual specialists. We liaised principally with the Bolivian protected area network (Servicio Nacional de Areas Protegidas - SERNAP), Armonía (Bolivian BirdLife International partner), the natural history museum of Santa Cruz, (Museo de Historia Natural Noel Kempff Mercado - MHNNKM), Protección de Medio Ambiente Tarija (PROMETA), Fundación Amigos de la Naturaleza (FAN) and experts on particular animal groups in Bolivia including Bennett Hennessey (birds), Dr. Sebastian Herzog (birds), Dr. Steffen Reichle (amphibians), Dirk Embert (reptiles) and Dr. Rob Wallace (mammals) amongst others.

The aim of the study site selection process was to choose sites that potentially held populations of species of conservation concern (threatened, endemic or restricted range species) but lacked sufficient or current data to identify if they fulfilled IBA or KBA criteria. Sites from ecoregions or habitats that had received few biological investigations in the past were specially targeted and we aimed to avoid visiting previously well surveyed sites in well documented areas such as the Noel Kempff Mercado National Park in Santa Cruz. We aimed to select study sites with a broad geographical and ecoregional spread. The sites visited are therefore broadly representative of Bolivia's biodiversity as a whole, however road closures due to landslides, bridges being swept away and political disturbances meant the survey teams never managed to work in one major ecosystem, the Andean dry valleys.

The project biodiversity inventory work started with 2 training inventories in October 2003 and March 2004 in which the practical aspects of the methodologies were finalized and the first members of the survey teams trained. Thanks to some early fundraising successes this was before we had received the Threatened Birds of Bolivia CLP/BPCP award but as this award was a major contributor to the implementation of the inventory programme as a whole we include the results from the early inventories here for completeness. The main field work phase of the project then ran from April 2004 to December 2005. During these periods biodiversity inventories were carried out at a total of 58 sites (see appendix 2) throughout Bolivia including 48 sites where bird inventories were completed (some sites had previous bird data and so were not resurveyed).

The inventory work collected new distributional information on 2,315 species of vertebrates and invertebrates including 914 bird species (see appendix 3), 169 amphibians, 143 reptiles, 85 mammals, 156 dung beetles and 842 butterflies. The numbers for insects are morpho-species and it is obvious from discussions with experts around the world that a considerable number of these morpho-species represent taxa new to science. Expert opinion also suggests the project has found 5 new amphibian and 3 new reptile species. Work is ongoing on these species and more specimens/behavioural information plus visits to museums abroad will be needed to confirm these results. The new bird distribution data collected during the project has been incorporated

into the national bird distribution database managed by Armonia who have secured recent funding to produce individual distribution maps for all Bolivia's bird species thus sharing the information gathered by the project with ornithologists and conservationists throughout Bolivia.

Applying the global Key Biodiversity Area criteria to the vertebrate data indicated that 44 of the survey sites held species of conservation concern (species on the IUCN Red List, Bolivian endemics or other species with restricted range). Combing data for sites that were in the same general area and excluding sites where vulnerable or restricted range species were not present in sufficient numbers to pass the KBA thresholds, identified 21 KBAs from the fieldwork. Many of these confirmed sites that had been identified as potential Important Bird Sites at the start of the project. Based on the work of the TBB project, in 2005 the DGB (Biodiversity Directorate) on behalf of the Bolivian government accepted 44 IBAs as national conservation priorities. In addition together with existing data the Threatened Birds of Bolivia project's data were used to describe 45 IBAs as international conservation priorities (published by BirdLife International in the book "Areas Importantes para la Conservacion de Aves en Los Andes Tropicales"), see appendix 4 for a map and list of the described Bolivian IBAs.

A total of 27 globally threatened and near-threatened bird species were recorded during inventory work (with several others recorded during other parts of the TBB project work) and these are listed in Table 2. Rather worryingly, despite what is the most extensive series of ornithological inventories to date in Bolivia, the project did not detect 11 of the threatened species listed in Table 1. These species were White-winged Nightjar, Yellow-rumped Antwren, Crowned Eagle, Rufous-faced Crake, Yellow-faced Amazon, Masked Antpitta, Scimitar-winged Piha, Rufous-sided Pygmy-tyrant, White-tailed Shrike-tryant, Tucuman Mountain-finch and Green-capped Tanager. One of the objectives of the inventory work was to investigate potential new sites to help determine the distribution of these species rather than visit existing sites so the apparent absence of these species from the many sites we inventoried does, as planned, provide new distributional data although not of the kind we would have hoped for. It would thus appear that many of these key conservation species really are as rare and localised as had been feared (BirdLife 2000) and that the lack of previous records is not simply due to a lack of survey work. More positively inventory work organised by the project training director Dr Sebastian Herzog has established that two of the species (Bolivian Recurvebill and Ashy or Yungas Antwren) thought to be threatened at the start of the project are much more abundant than previously thought and the conservation status of these has been improved to near-threatened (Herzog et al. 2008).

Scientific Name	English Name	Threatened Status
<i>Rhea americana</i>	Greater Rhea Southern Horned-Curassow	NThr
<i>Pauxi unicornis</i>	Curassow	VU
<i>Crax globulosa</i>	Wattled Curassow	VU
<i>Neochen jubata</i>	Orinoco Goose	NThr
<i>Vultur gryphus</i>	Andean Condor	NThr
<i>Harpia harpyja</i>	Harpy Eagle	NThr
<i>Anodorhynchus hyacinthinus</i>	Hyacinth Macaw	EN

<i>Ara glacogularis</i>	Blue-throated Macaw	CR
<i>Ara militaris</i>	Military Macaw	VU
<i>Nannopsittaca dachilleae</i>	Amazonian Parrotlet	NThr
<i>Cypseloides rothschildi</i>	Rothschild's Swift	NThr
<i>Oreotrochilus adela</i>	Wedge-tailed Hillstar	NThr
<i>Cinclodes aricomae</i>	Royal Cinclodes	CR
<i>Leptasthenura yanacensis</i>	Tawny Tit-Spinetail	NThr
<i>Asthenes heterura</i>	Maquis Canastero	NThr
<i>Simoxenops striatus</i>	Bolivian Recurvebill	VU
<i>Myrmotherula grisea</i>	Yungas Antwren	VU
<i>Hemitriccus rufigularis</i>	Buff-throated Tody-Tyrant	NThr
<i>Alectrurus tricolor</i>	Cock-tailed Tyrant	VU
<i>Alectrurus risora</i>	Strange-tailed Tyrant	VU
<i>Cinclus schulzi</i>	Rufous-throated Dipper	VU
<i>Oreomanes fraseri</i>	Giant Conebill	NThr
<i>Coryphaspiza melanotos</i>	Black-masked Finch	VU
	Black-and-tawny	
<i>Sporophila nigrorufa</i>	Seedeater	VU
	Rufous-rumped	
<i>Sporophila hypochroma</i>	Seedeater	NThr
<i>Sporophila ruficollis</i>	Dark-throated Seedeater	NThr
<i>Saltator rufiventris</i>	Rufous-bellied Saltator	NThr

Table 2 – Threatened and near-threatened bird species registered during biological inventory programme. Threatened Status: CR=Critically Endangered, EN=Endangered, VU=Vulnerable, NThr=Near Threatened.

2.2 Royal Cinclodes & the Conservation of *Polylepis* Forest

M. Isabel Gómez and Carolina García

Bolivia's High Andes Endemic Bird Area is the country's most threatened ecosystem with a critical conservation priority (Fjeldså & Kessler 1996, Kessler & Herzog 1998, Stattersfield *et al.* 1998). Isabel Gómez's successful 2002 award winning project worked in the Cordillera Real in the northern part of this EBA and Threatened Birds of Bolivia project allowed her to expand out to cover a larger part of the EBA. This area is home to the critically endangered Royal Cinclodes, *Cinclodes aricomae*, the endangered Ash-breasted Tit-Tyrant, *Anairetes alpinus*, and a distinctive avifauna unique to this part of the EBA which includes eight other restricted-range species (Stattersfield *et al.* 1998, BirdLife International 2000). The four main conservation objectives for this section of the project were 1) To use community based conservation initiatives to eliminate the unsustainable use, as fuel and grazing resources, of the remaining fragments of the *Polylepis* forest habitat which are home to the Royal Cinclodes and the Ash-breasted Tit-Tyrant. 2) To carry out an in depth study of the ecological and conservation requirements of Royal Cinclodes and Ash-breasted Tit-Tyrant. By studying foraging behaviour, habitat use, territory size, breeding behaviour and reproductive success within the newly created Sanja Pampa Polylepis Important Bird Area. 3) To extend survey work north to locate remaining *Polylepis* fragments and populations of Royal Cinclodes and Ash-breasted Tit-Tyrant in the northern section of the Cordillera Real, the Cordillera Tres Cruces and the north-eastern section of the Cordillera de

Apolobamba. 4) To investigate the feasibility of a long term *Polylepis* reforestation programme. The species specific conservation measures of this section of the project were supported by inventories of the IBA team to determine the conservation importance of the study areas for other elements of biodiversity.

We are currently preparing a detailed paper on the work of the Polylepis Conservation Project so what follows is a brief summary in English of the work completed, in appendix 5 we also provide a more detailed report of the project's scientific work in Spanish. In the first phase of the project, from 2004 to 2005, we visited every patch we could discover of *Polylepis* forest in the Cordillera Real to carry out intensive field surveys to establish the presence or absence of our two threatened target species. In 19 fragments we found the endangered Ash-breasted Tit-tyrant and in five the Critically Endangered Royal Cinclodes. Given the severely fragmented nature of the little remaining Polylepis forest it is crucial to determine whether the remaining individuals of these species form a single meta-population that is dependent for survival on the continuing inter-connectivity of sites or whether there are a series of isolated sub-populations only the largest of which may have a viable future. In the second phase of the fieldwork from 2006 to 2009 we therefore returned to various sites to study the reproductive biology of each species, their home range sizes, how they used the resources of the Polylepis fragments and whether they move between fragments. The data collected are now in the process of being analysed and will help us determine the best way to use conservation resources to secure a future for these two species and their habitat. In tandem with the ornithological studies, to investigate the feasibility of a long term *Polylepis* reforestation programme, we also studied the growth rate and germination rate of *Polylepis pepei* (the dominant species of the forest) and used dendrochronology to date the frequency of fires that damage the forest. Again this data is now in the process of being analysed in full but preliminary results from the first years suggest that although extremely slow growing reforestation maybe a practical conservation option using plants cultivated in greenhouses. As a result nurseries for cultivating saplings have been built in the three zones onf the EBA (Queara, Puina (Municipio de Pelechuco) y Pongo (Prov. Murillo)) and we are currently awaiting the growth of the first saplings to start replanting with. Throughout the fieldwork phases we have also conducted environmental education and community consolation workshops with the communities throughout the area. As a result we are working on conserving the species and habitat in close relation with the surrounding communities. In return for the communities reducing their impacts on the Polylepis fragments and helping develop the reforestation nurseries. We have at the request of the communities supported sustainable development programmes based on the production and sale of native textiles and the construction of infrastructure for a tourism trail. We have also helped in the provision of medical attention for these communities and in 2007 we began to introduce more efficient wood burning stoves to cut the amount of wood that needs to be cut for cooking.

2.3 Blue-throated Macaw and Protected Areas in the Llanos de Moxos Lowlands

Mauricio Herrera, Aidan McCormick, Ross MacLeod, Victor Garcia Soles, Iain Dickson, Joanne Kingsbury & Gustavo Sanchez



The Blue-throated Macaw *Ara glaucogularis* (above) is a critically endangered species endemic to Bolivia (BirdLife International 2008). It is endemic to the Llanos de Moxos, which is an enormous seasonal wetland with a mixture of grazed savannah, palm forest islands and gallery forest habitats. At the start of the project this species was already the subject of extensive conservation efforts supported by the Loro Parque Foundation. Our project contributed to this effort by using the expertise of Important Bird Area inventory team to help survey the best areas for protecting the species and the other unique animals of the Llanos de Moxos. Our objective was to carry out biodiversity inventories and conservation assessments of three areas that might be suitable for purchase as protected areas for the critically endangered Blue-throated Macaw *Ara glaucogularis*. This we did with eight site inventories during the IBA inventory work described above covering three areas of the Llanos de Moxos. First near San Ramon (Sites 1, 2 and 3 in appendices 2 & 3) then on the Paraparau Estancia (Sites 11, 12 & 13 in appendices 2 & 3) and finally near Santa Anita (Sites 51 & 52 in appendices 2 & 3). Despite some interesting biodiversity the conclusion of this initial inventories and other work was that none of these sites was ideal for establishing a reserve for the Blue-throated Macaw. In part this was because too many of the core conservation target species were absent or because the land was purchased by other buyers before funding could be raised for the reserve. More importantly in 2004 Blue-throated Macaw conservation program coordinator, Mauricio Herrera, completed the first census

for the species in the process finding a new population 100 km west of historic records. It is believed this area could hold the largest remaining population in the world with perhaps 150 to 250 individuals so the search for a suitable reserve was moved and the Santa Anita area (where the third set of inventories were conducted) was identified as the most suitable general area for establishing a reserve and project partner Armonia continued the search for the ideal reserve. A process that culminated in identifying and purchasing in November 2008 land for a reserve, with the support of the World Land Trust and American Bird Conservancy. Following this the Threatened Birds of Bolivia project helped Armonia and Glasgow University carry out, in July and August 2009, the first biodiversity inventory of the reserve for birds, large mammals, amphibians, reptiles, fish and plants. The results of this inventory work are currently being analysed and used to write the first management plan for the reserve. The most important finding was groups of up to 25 Blue-throated Macaws and it appears that at least 10% of the world population of this critically endangered species was found by the inventory team in the reserve and the surrounding area. Important populations of the globally threatened bird species Cock-tailed Tyrant and Black-masked Finch, which were targets of the IBA inventory work were also found as were the threatened Sharp-tailed Tyrant and breeding populations of the near-threatened Orinco Goose and Greater Rhea. Key mammal populations discovered include Pampas Deer, Giant Anteater, Juaguar, Puma and Manned Wolf all of which help make the reserve one of the most important areas for conservation of Savannah mammals in Bolivia.

2.4 Horned Curassow & Yungas Forest Conservation

Rodrigo Soria, Ross MacLeod, Claudia Coca, Victor Gracia Soles & Sebastian Herzog

The Bolivian and Peruvian Lower Yungas EBA is an urgent conservation priority because of habitat loss due to human encroachment. It holds four threatened bird species including the threatened Horned Curassow *Pauxi unicornis* (BirdLife International 2008), which is also known as the Southern Helmeted Curassow. The unique blue horn and large size of this bird make it instantly recognisable to local people and therefore an excellent flagship species for efforts to conserve the habitat as a whole. Like other species of curassow it is a favoured hunting target which makes its presence an excellent indicator of habitat quality and human pressure (Brooks D. M. & Strahl S. D. 2000, Stotz *et al.* 1996). Its large size means that it needs larger areas of habitat to sustain viable populations than most of the threatened and restricted range species of the yungas. Therefore active protection of this species and its habitat has the potential to conserve the entire avifauna of the Lower Yungas.



In this part of the project we tackled three key conservation objectives. First, to carry out surveys, especially in the IBAs of Amboro, Carrasco and Isiboro-Secure National Parks and the new Altamachi Reserve, to determine the currently unknown distributional range of the Horned

Curassow *Pauxi unicornis*. Second, to work with local communities on the borders of the national parks to carry out environmental education to encourage a voluntary curassow hunting ban. Third, to set up a population monitoring scheme for the Horned Curassow by working with the national parks of Carrasco and Amboro to train park guards in the monitoring and protection of the species and its yungas habitat.

From September 2004 to January 2005 we visited and carried out fieldwork surveys in the following 13 localities (Río los Cocos, Serranía del Tigre, Confluence between Ríos Santa Elena and Ipiri, Cavernas del Repechón, Serranías al Sur de Israel, Río Leche, Cajones del Ichilo, El Condor, San Antonio, La Chonta, Río Saguayo, Mataracú, Macuñucú) within the Lower Bolivian Yungas Endemic Bird Area (EBA 054). Each location lies within the potential habitat for this species between 450 and 1100 m. We also collected local information about this species from communities living within or close to the potential habitat for *Pauxi unicornis*. The most striking outcome of the work was to discover that this species seems to have a much smaller distributional range than was considered by BirdLife International (2000) at the start of the project. We saw or heard curassows in only 5 locations and found no evidence of the species anywhere north or east of three national parks (Amboro, Carrasco and Isiboro-Secure) in central Bolivia. Given the extensive nature of the surveys, the lack of any observations by local hunters and the ease of detecting the species by its far carrying booming song when present we believe this represents a true absence. Another key finding was the disappearance of the largest known population of Horned Curassow from the Rio Leche site in Carrasco National Park. The species had been abundant during surveys in 2001 but by the time the survey team visited in 2004 there were no sightings recorded and no singing birds. This disappearance was associated with the incursion of coca growers into this part of the national park, as they sought to find places to grow their illegal crop which is later processed to produce cocaine. We believe that hunting for food associated with such incursions was the principal factor in the disappearance of the species. As a result of these findings the conservation status of the Horned Curassow was up listed to Endangered in 2006 (BirdLife 2008).

In February 2005 we started coordinating environmental education activities focusing on those localities our surveys had shown were most important for the Bolivian *Pauxi unicornis*' population. REMA (a Bolivian NGO specializing in environmental education activities), the regional state educational office and Amboró NP's administration were our principal partners for these activities. During April 2005 we carried out a workshop directed at schoolteachers from communities living near the lower Yungas of Amboró (Cajones del Ichilo, San Isidro, El Condor, Urkupiña, San Antonio and Mataracú) and Carrasco (San Rafael, Nueva Jerusalen and San Benito) National Parks. During this workshop we taught teachers about the importance of conserving *Pauxi unicornis* and its habitat, which is an important source of natural resources for the communities. The painting above of the Horned Curassow in its natural forest habitat was painted by a local artist for the project and is being used as part of the environmental education materials being supplied to teachers in local communities. This was followed up by visits to all these communities to monitor the effectiveness of how schoolteachers were in spreading the knowledge to their students and their communities and discuss the implementation of a hunting ban. In general the ideas appeared to be well received but only time and future monitoring will tell how successful this strategy has been and whether it will help reduce the impact of illegal incursions into the national parks.

This monitoring has been initiated with a workshop held in Amboro National Park in 2005 to provide monitoring training for the park guards of the 3 Yungas national parks. In addition due to the rapidly worsening conservation situation for this species, Armonía with support from TNC Bolivia organized a Species Action Plan workshop on 2-3 December 2006 in Yapacaní. A wide range of stakeholders from Amboró, Carrasco and Isiboro-Securé national parks and adjacent areas participated in the workshop, including, among others, park directors and guards, municipalities, indigenous people, local communities, conservation NGOs and representatives of the national government, including the Vice-minister of Biodiversidad and the Natural Environment Dr. Sandro L. Rodríguez Ramos. A series of actions required to protect the Horned Curassow were proposed by Armonía, and the workshop participants commented on the proposal and brought forward additional ideas. A *Working Species Action Plan* is now available summarizing our knowledge about the distribution, biology and ecology of the Horned Curassow and recommending a set of priority conservation actions that reflect the results of the workshop in Yapacaní.

2.5 Cochabamba Mountain Finch & Ecotourism in the High Andes

José Antonio Balderrama, Sebastian K. Herzog and Noemi Esther Huanca Llanos

This section of the project also focused on the critical High Andes habitat but this time the work took place further south in the Department of Cochabamba in central Bolivia. This part of the High Andes holds the endangered and endemic Cochabamba Mountain-finch *Poospiza garleppi* (pictured to the right) and five other Bolivian endemics (Stattersfield *et al.* 1998). The objectives here were 1) To use population surveys and GPS mapping to assess the current population size and distribution of the Cochabamba Mountain-finch *Poospiza garleppi* and the other High Andean species of Cordillera Cochabamba. 2) To work with local communities to investigate the feasibility of using ecotourism revenue to compensate them for changing land use practices to benefit the conservation of the habitat of the Cochabamba Mountain-finch and the other endemics.



Cochabamba Mountain-Finch *Poospiza garleppi* conservation and habitat assessment

The endemic Cochabamba Mountain-Finch, *Poospiza garleppi*, is found only on montane slopes (2,950-3,800 m) surrounding the city of Cochabamba. It is considered Endangered owing to its small range (3660 km²) and small, fragmented population. Although the range limits of this high-Andean *Polylepis* specialist had been fairly well established, little was known about the species' detailed habitat requirements and distribution. Such knowledge is vital, however, for a detailed threat analysis and designing subsequent conservation measures as *Polylepis* forests are being destroyed by human activities at an alarming rate. Quantitative surveys were therefore carried out in various localities to determine habitat preferences, approximate population sizes, and local land use. At the same time contacts with local communities were established to provide a base on

which to build future collaborative conservation action with the approval and support of local people.

From October to December 2004 *Polylepis* forest fragments in the following six areas were surveyed using standard ornithological field methods: Chorojo (Sipe Sipe Province), Taquiña (Cercado Prov.), Parque Tunari Km 12 (Cercado Prov.), Thola Pujru (Tiquipaya Prov.), Candelaria (Chapare Prov.) and Huallapampa (Pocona Prov.). At the same time, the Bolivian botanist María del Carmen Ramírez evaluated the floristic diversity and habitat structure at the six sites.

The localities least impacted by human activities were San Miguel and Thola Pujru, where the greatest number of individuals of Cochabamba Mountain-Finches (eight and six, respectively) were also recorded. By contrast, the species was not recorded at Parque Tunari and Huallapampa. Thus, the overall population size of the species appears alarmingly small and at the lower end of the 400-4000 individuals estimated by BirdLife in 2000 (BirdLife) or perhaps even less. In the areas surveyed Cochabamba Mountain-Finch appears to prefer large *Polylepis* fragments with high connectivity between forest patches, relatively dry climatic conditions and a presence of other tree species such as *Citharexyllum punctatum*, *Vallea* spp., *Schinus* spp. and *Alnus acuminata*.

San Miguel and Thola Pujru therefore appear to be the priority sites for future conservation measures. The Taquiña woodland also is of considerable conservation interest. This forest is protected as a water catchment area for the brewery of the Taquiña beer company (now owned by the Argentine company Quilmes). José only recorded two individuals in the approximately 5-ha forest patch, but a small population of 10-15 individuals may exist in the area. There is great potential for working with Taquiña in an advertisement and publicity campaign emphasizing that the brewery is protecting a threatened bird species endemic to Cochabamba in combination with an afforestation project increasing the size of the Taquiña forest patch.

The San Miguel site was identified as the most accessible to potential eco-tourists who could potentially easily access the site from the nearby city of Cochabamba, which lies on the main tourist route joining the capital La Paz to the lowlands of Santa Cruz. This was therefore the site chosen for investigating the feasibility of using ecotourism revenue to compensate local people for changing land use practices to favour the continued survival of Cochabamba Mountain-Finch. The project organised a series of consultative meetings with the local villagers in 2005 alongside continuing survey work. The survey work identified and mapped out a potential route along which guided walks for tourists could be organised. However, consultation with the local community showed that the trail (or any practical alternative) crossed small parcels of land owned by many different individuals and families. This turned out to be a major stumbling block to the feasibility of the project as several of the small holders were unwilling to have visitors guided across their land by other members of the community. Eventually it was concluded that no agreement was likely to be reached in the short term and this type of ecotourism was unfeasible in the time frame of the current project. Instead the project turned its attention to organising outreach activities in the communities and regular educational activities in their schools. Pilot activities in a school in Palcapampa have proved very successful in raising awareness and pride in the Cochabamba Mountain-Finch among local children (pictured below holding their drawings of the species). Since local children frequently hunt small birds with catapults while looking after

livestock we believe increasing awareness and pride in the species could be a more successful way of reducing pressure on the species.



The conservation work outlined above is the work that was carried out for the Threatened Birds of Bolivia project and was finished in late 2005. However, further funding was secured and the Cochabamba Mountain-Finch project grew into an independent long term conservation project with its own funding so active conservation continues. Work has included extending the surveys to a wider area in the hope of finding other populations. With the result that what was originally considered an obligate *Polylepis* specialist, is actually found to be rarer in *Polylepis* woodland than in agricultural land around communities. Furthermore, the first nesting records for the species are from hedgerows and shrubbery associated with cropland. This provides unexpected hope for the future of the species and for this reason Armonía's current efforts are focused on reassessing past estimates of population size and distribution, which were exclusively based on research in *Polylepis* groves. A detailed evaluation of the threats to the conservation of the species is also being undertaken and has provisionally identified the biggest potential threats to the species survival as being from pesticides and from clearing of its habitat for agriculture. Environmental education work with the local communities also continues and in 2009, current project leader Noemi Esther Huanca Llanos, was awarded a CLP Future Conservationist award to develop the work. The aim of her project is to develop community action plans to reduce threats to the Cochabamba Mountain Finch associated with its use of cropland.

2.6 Bolivian Spinetail & Inter-Andean Dry Valley Reserves

This section of the project focused on Bolivia's dry valley habitats and conservation of the recently described and endangered Bolivian Spinetail *Cranioleuca henricae* (Mayer S. & Fjeldså, J 1997, BirdLife International 2008). The objectives here were first, to carry out survey work to locate suitable habitat and current populations of the Bolivian Spinetail *Cranioleuca henricae* and to evaluate the potential conservation value of each habitat patch to identify a prioritized list of

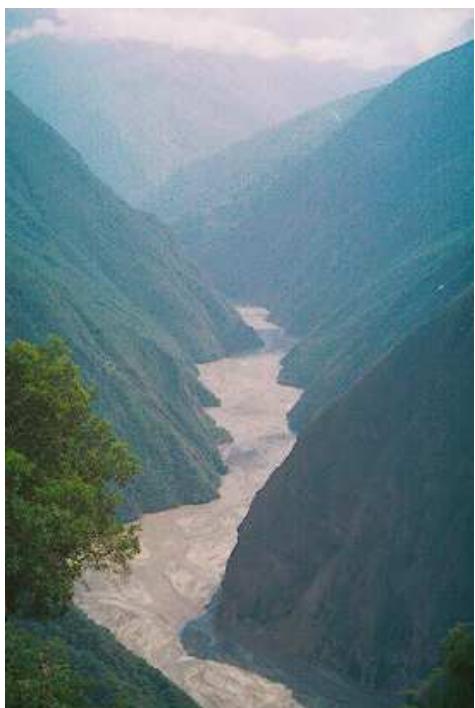
sites with the greatest potential as reserves for conserving the species and other dry valley species. Second, to develop conservation actions for the species and start to implement them.

Conservation assessment of the status of the Bolivian Spinetail

S. Lake, D. Liley, Ebert Rocha & Juan Carlos Crespo Arteaga

The Bolivian Spinetail (*Cranioleuca henricae*) pictured right, is a globally threatened bird species, endemic to Bolivia. It was described from a site supporting dry forest, a habitat with limited distribution, and its range is thought to be very restricted with published records from just three Andean valleys. Currently classified as Endangered, little work has been conducted on the species and there is a clear need for baseline information to allow future conservation work to be targeted. For the first time, we present a detailed assessment of the species range and an estimate of its global population size.

Eleven sites were visited and suitable habitat searched for the species. The sites comprised those where the species had previously been recorded and those within the same valleys as existing records where dry forest was known locally to exist (the forest type is not known from other valleys). Despite extensive searching, including the use of playback (which was a highly successful method for finding birds at other sites), no Bolivian Spinetails were found in either the Rio La Paz or the Rio Consata valleys. Little or no suitable habitat was found in these valleys and it is thought likely that the species is now confined to a single river basin, that of the Rio Cotacajes.



Within the Rio Cotacajes basin (pictured below), eight sites were visited. Bolivian Spinetails were found at all of these sites, and the species appeared to be common wherever dry forest was present. Typical dry forest habitat was between 1700 and 2780m above sea level, generally open with a relatively sparse canopy about six metres in height, and characterised by tree species such as *Schinopsis*, *Schinus*, *Aspidosperma*, *Erythrina* and occasional *Jacaranda*. The understorey and the canopy of the most open patches included abundant *Acacia* and *Proposis*. Large columnar cacti were common, including *Cereus* sp. and *Samaipaticereus* sp..

Across the eight sites 187 point counts were conducted. A total of 225 Bolivian Spinetails were recorded, giving an overall mean density of 1.96 (+/- 0.36) singing males per hectare of forest. Significantly lower density estimates were obtained from “disturbed” forest (i.e. scrubby forest or points with non-forest habitats present within 100m). We

estimate a total area of c.13,400 ha of dry forest exists within the Rio Cotacajes valley, and we therefore estimate the global population size of Bolivian Spinetails to be 26,433 (21,578 - 31,288) singing males.

Despite the high densities and surprisingly high population estimate, we suggest that the Bolivian Spinetail warrants Endangered population status due to its very limited distribution. Inquisivi (the most northerly site where suitable habitat was found) and Coriri (the most southerly site) are only 64km apart. The steep terrain and relative remoteness of the sites suggests that human pressures in the future may be limited. However, there were signs of recent forest clearance and human pressure (grazing and firewood collection) within the forest. Landslides have also destroyed some forest areas. Further habitat loss is therefore likely and would increase fragmentation and isolate existing populations.

At the start of 2005, at the end of the conservation assessment phase of the work the key conservation actions identified were that a community programme to promote sustainable forest use in the area needed to be designed and implemented with the local communities and that the feasibility of creating a reserve to protect some of the most important forest fragments be investigated with the local communities. This work was initiated in October 2005 with more detailed studies of the species conservation requirements and habitat use and a stakeholder workshop with the local communities to identify how best to conserve the species and enhance the livelihoods of the local people.

Habitat use and conservation of *Cranioleuca henricae*

Mónica San Cristobal G. (translation by Jen Johnson)

The four principal objectives of this second stage of the project were:

- a) To evaluate the sources and magnitudes of disturbance, including conversion through burning, grazing, and cultivation, threatening the habitat of *C. henricae*;
- b) To make contacts with the communities bordering the study sites and gather information about their management of the forests and pastures;
- c) To document all of the fieldwork photographically, with digital images of the types and degrees of disturbance and of our interactions with community members;
- d) To hold a summary workshop with the members of the research team, evaluating the project and establishing directions for future work.

Methods

Based on the literature (i.e. Liley *et al.* 2005) and the recommendations of ornithologists familiar with *C. henricae*, we selected four study sites. Two of the sites, designated “Inquisivi” and “Yacupampa,” are located in Inquisivi Province, Dept. La Paz. An additional two sites, designated “Machaca” and “Cavicavini,” are located in Ayopaya Province, Dept. Cochabamba.

We completed fieldwork between Oct. 6-13 at Inquisivi and Yacupampa and Oct. 27-Nov. 4 at Machaca and Cavicavini.

At each site, ornithologist Eberth Rocha completed censuses of *C. henricae*, including nest-searching. Censuses began at 0600h and included pathways within and around forested tracts, forest borders, borders of riverine forest and open areas. During the censuses, a recorder (TCM-5000) was used to record and playback the songs of this species; a GPS was used to record the location of each individual *C. henricae*; and binoculars were used to observe the birds.

At each of the four localities, we contacted representatives of the local communities and held small meetings with the residents, explaining our presence and talking to them about *C. henricae*. We gathered information about land use and management during these meetings by asking questions such as:

- How is this zone organized politically?
- Are there owners of these lands? If so, how many?
- Are there crops growing within the forest? What kind of crops? What happens to the harvest?
- During what time of year are areas cleared by burning?
- What type and what quantity of livestock are maintained in the area?
- What forest mammals exist within and around the forests?
- Have other people done research in this area? Who? What did they do?
- What are the challenges your community faces?

At each of the four sites, we photographically documented our work, capturing images of the size and location of pastures managed by periodic burning; the type and quantity of livestock found within or around the forested areas; the condition of the forests; and our interactions with community members.

Results

Overview of results.

- We recorded *Cranioleuca henricae* at all four study sites. Based on the census data, *C. henricae* was more abundant at Inquisivi and Machaca, and less abundant at Cavicavini and Yacupampa, a pattern likely related to the levels of disturbance in each zone. Thus, in this report, we present only the data from Inquisivi and Machaca.
- Sources of human disturbance in the dry forests were found to include: clearing for cultivation of diverse vegetables and other edible plants; intentional annual burning in the cultivated zones that, through carelessness, spreads into the forests; over-grazing of livestock, principally sheep, horses, and cattle, as well as smaller numbers of pigs; and the invasion of non-native *Eucalyptus* and *Pinos* spp. from nearby plantations.
- Sources of natural disturbance include blow-downs causing loss and fragmentation of the forests; and severe droughts leading to soil erosion, low-severity blow-downs, and fragmentation.

- In each of the four study sites, we successfully contacted the communities and community leaders, who provided us with information about land management and local political organization.

Results from Inquisivi surveys

Target species. The Inquisivi study site is located within the Inquisivi Province in the Department of La Paz at an altitude of 2,700 m ASL. We completed fieldwork at Inquisivi between 10-12 Oct. 2005, at the end of the “cháqueo” or burning season. During the two days of censuses, *C. henricae* was detected at each census point, suggesting a wide distribution of the species at this site. Visual contact was minimal, owing to the agility and rapidity of *C. henricae*'s movements, and the fact that this species is generally found in the more enclosed parts of the forest.

Forest structure and composition. The forest here reaches a maximum height of 10-15m and is dominated by *Schinopsis haematoxylon*, *Erythrina falcata*, *Prosopis* spp., and large columnar cactuses. Forest edges are somewhat lower, reaching a maximum height of approx. 7-10m. The understory is of medium height and dominated by tall broad-leaved plants and lianas. Some *Orquideas* spp. and other spiny plants characteristic of dry forests are also present.

Sources and levels of disturbance. During surveys we observed over a hundred plots of crops, including citrus, plantain, potato, onion, and other vegetables in the *Cucurbitaceae* family. The crops that are cultivated in areas adjacent to or within the forest are the greatest source of disturbances at Inquisivi, because fires escaping from the cultivated areas create new openings into the forest, exacerbating fragmentation. The construction of a new road to connect Inquisivi with other regions is an additional source of disturbance. However, on the whole, the forests at Inquisivi have not yet been severely disturbed and can still be considered to be in good condition. Potential future threats to the Inquisivi forest include invasion of non-native vegetation from distant *Eucalyptos globulus* and *Pinos* plantations as well as over-grazing, if sheep and goat herds increase further.

Results from Inquisivi community

Political organization. The locality of Inquisivi is comprised of a municipality with a mayor and sub-prefect within the larger province of Inquisivi. We held a meeting with the primary officer from the mayor's office as well as some administrative personnel. We learned that large tracts of land around Inquisivi are owned by between 30 and 50 people. The holdings of these landowners include the native forests that form part of the habitat of *C. henricae*. These lands and landowners are governed by the rules of the municipality. Landowners frequently do not work their own land, but rather rent it out to contracted workers. Many of the landowners lack the documentation necessary to justify their claims; that is to say, many of the lands are not registered to their respective owners in the mayor's office, and the boundaries are known only to those people who have inherited the lands through time via family ties (e.g. fathers to sons).

Land use. Principal crops include peanuts, eucalyptus, corn, cabbage, and *locoto*, which are taken to be sold in the city or at other locations. Additional crops cultivated for local consumption include fruit trees like citrus and banana as well as vegetables like potato, tomato,

lettuce, and onion. Chaqueos, or intentional burns, occur from August through October. The chaqueos are generally controlled, such that the fires cannot damage other zones of the forest, but when more land is needed for cultivation, the forest is burnt and cleared for cropping. The residents of Inquisivi have never received instruction in conservation nor in ecology; the only manuals they have received were distributed by agronomists for instruction in agricultural management.

Local knowledge of wildlife. Many residents recognized *C. henricae*, and call the species “chiru-chiru.” However, the farmers are accustomed to calling by this name any one of a great many species with similar songs. Nonetheless, they have very good knowledge of the nests of *Cranioleuca henricae* and know when and out of what the birds construct their nests. As for the local fauna, we compiled data from the farmers, but did not observe any forest mammals during the course of our own fieldwork.

Results from Machaca surveys

Target species. Machaca is located 1.5h and 20km to the southeast of Independencia within the province of Ayopaya. We conducted fieldwork here from 29-31 October 2005. We encountered a high diversity of birds, including *C. henricae*, which was found during each of the censuses, distributed evenly throughout the site. During our visit, *Cranioleuca henricae* was forming pair-bonds and constructing nests. We also observed many species of parrots that were nesting.

Forest structure and composition. In Machaca, the forest varied between 10-12m in height. There were areas where the canopy was thick and closed as well as areas where the trees were very scattered and the canopy fairly open. The understory here was low, dry, and thorny, dominated by plants such as *Schinopsis haematoxylon*, *Erythrina falcata* and *Prosopis* spp. In some places, the Aspidosperma called “Drunk White” was very common. Columnar cacti were abundant. We observed many trees full of the types of lichen with which *Cranioleuca henricae* constructs its nests.

Sources and levels of disturbance. We observed eucalyptus plantations 5-10 km outside of the town, immediately bordering the town, but not within the dry forest. We photographed several large expanses of sown fields, plantations of all kinds of vegetables, and also some uncultivated but prepared fields. Although several burns had escaped from the cultivated areas and swept into the forest edge, the Machaca forest remains largely undisturbed by cultivation. Overall, the forests in this area appear to still be in a good state of conservation.

Results from Machaca community

Political organization. Jorge Vilka served as the representative of Machaca and told us about the community. Machaca is a dependent of the municipality of Independencia, and thus the municipality determines the organization of Machaca and its rules for land tenure. At present, there are 130 people who cooperatively own the land here, of whom the majority work their plots for crops. The owners that do not work their own plots rent them to other workers who also cultivate the land for crops. We do not know whether or not these arrangements are properly legally documented, but it was apparent that unclear rules about land tenure regularly generate disputes between owners and tenants. We were unable to meet with all the residents in only one day, since many could not be found in their houses or working their land. Furthermore, according

to Vilka, the residents felt a little uncomfortable and suspicious regarding our presence on their lands. Only one researcher (Liley *et al.*'s 2004 expedition) had previously contacted the community; there are no tourists, no one camps here, and no one has come to teach courses or workshops of any kind. In the end, Vilka agreed to talk with the others about the purpose of our visit.

Land use. The most common crops in Machaca are potato, corn, wheat, tomato, and some fruits like chirimoya, peaches, and apples. The soils in this area are very fertile and rich in production. Fields are burned between August and early October. Vilka told us that the fires are controlled to prevent them from spreading into the native forests. Nonetheless, we noted that the burns do tend to advance and enter within the forest.

Local knowledge of wildlife. *Cranioleuca henricae* is known here as “chiru-chiru de las tiqueras” and is seen very often, found in high abundance and distributed through the whole region. The people have good knowledge of where and what form of nests the species builds. They call the nesting trees “tiqueras” because they contain the lichens that are used to build the nests. Among the forest animals seen in this region are foxes, *melero*, deer, and mountain lion, which according to some people occasionally attack the chickens.

Conclusions

In this study, we visited four localities and concluded that only two of the four sites have viable forest in good enough condition to support the conservation of *Cranioleuca henricae* populations: Inquisivi, in La Paz, and Machaca, in Cochabamba (Table 1).

	Inquisivi	Yacupampa	Machaca	Cavicavini
# of inhabitants	3,000	1,000	1,223	4,253
Est. area of forest	60%	40%	70%	20%
Est. area of crops	40%	70%	30%	70%
Eroded soils	40%	25%	20%	75%
# landowners	50	31	130	<i>unknown</i>

Table 1. Comparision of the four study sites. The first row indicates the number of inhabitants in each zone (data from INE). The second row is the proportion of forest area available to *Cranioleuca henricae*. The third row is the proportion of land under cultivation visible during the censuses and a general survey of the forested area. The fourth indicates the proportion of eroded soils.

The harms wrought through the years by cropping and burning in Cavicavini and Yacupampa have led to very poor-quality forests. However, at the other two sites, Inquisivi and Machaca, cropping has been somewhat less, and large expanses of forest—greater than 50%—are still intact. However, if crop sales increase, in time more cultivated lands will be needed, leading to more clearing and more burning, which puts an array of endemic species—including *Cranioleuca henricae*—in danger of extinction.

The continued survival of *C. henricae* rests on the conservation of forests that are threatened by expanding cultivation, escaped burns, and the potential for over-grazing and the invasion of non-native eucalypts. Since about 80% of the local residents live from the sale of their crops, gaining access to these sites by buying the lands and converting them to protected areas is not a real option. To address these threats, we must work with the landowners, but in doing so, we face the problems of the absence of clear rules defining land tenure and the lack of appropriate legal documentation supporting the rightful owners. Furthermore, many of the inhabitants of these areas feel bothered by the presence of researchers at the sites, maybe suspecting us of taking their land, or riches. Capacity-building through environmental education and conservation workshops seems to be the best method to move towards the protection of these forests.

Recommendations

According to the results of our evaluation of threats, there are two key places to begin conservation action for *Cranioleuca henricae*: Inquisivi in La Paz and Machaca in Cochabamba. At these two sites, the forests are in good condition and *Cranioleuca henricae* is highly abundant. In both areas, however, the inhabitants depend on the sale of crops as their principal source of income. We need more time to contact the landowners and talk with them about the cultivated portions of their land within the forest. Eventually, we will propose to the communities a conservation plan enacted through community programs promoting the sustainable use of the forest.

These are the next steps we propose:

- Information about *Cranioleuca henricae* as a threatened Bolivian endemic species ought to be made available to the local communities via capacity-building programs and conservation workshops.
- Additional field surveys should evaluate additional sites over a longer period of time to determine their suitability for targeted *Cranioleuca henricae* conservation actions. In the future, a botanist will be needed to identify the plant species characterizing the dry forests in general, as well as the plants that are important to *Cranioleuca henricae*.
- A more thorough evaluation should be carried out to determine how the forest-users are threatening the forests where *Cranioleuca henricae* is found.
- Manuals with guidelines for the sustainable use of dry forests in these regions ought to be developed.
- A meeting among the appropriate ornithologists and botanists involved in this project must be held in order to review the data collected thus far and prepare a conservation plan proposal.

This completed the work initially planned for the Threatened Birds of Bolivia project but the project continues with Armonía's conservation actions aiming to protect a core area of native forest from degradation and destruction and also promote sustainable use of forest fragments outside the protected area. The current conservation work is based around the Machaca area identified during the TBB project and, as a first step toward its protection, we are working with

local communities to raise awareness of the value of the forest's ecological services to sustainable development. With local stakeholders we are evaluating threats to the forest and exploring measures to mitigate them, including the creation of communal or municipal reserves. After the completion of the TBB work this project was established as an independent long term conservation project with its own staff and in 2008 we had the satisfaction of seeing the coordinator of the new project, Mónica San Cristobal, successfully apply for and win a Conservation Leadership Award for continuance of work on this species.

2.7 Conservation Status of newly discovered Bolivian Endemics

At the time of the original application two new bird species (Yungas Tyrannulet & Bolivian Swallow-tailed Cotinga) were currently being described from Bolivia. Both appear to be endemic to the country and it is believed they are also potentially threatened species. In addition to these species a screech-owl belonging to the *Otus* genus was found in Bolivia by the Yungas 2001 team. At the time, due to the absence of song recordings in Peru, it was assumed that this must be the Cloud-forest Screech-owl *Otus marshalli* a new species to Bolivia. However voice recordings were later made in Peru that suggested that the Bolivian owl might be a new species to science and given the limited habitat available it was likely that the population would qualify as threatened. To allow conservation plans to be made for these three taxa, the objective of this part of the project was therefore to contribute to carrying out field surveys, collecting and analysing data to determine distribution and conservation status, which was done and the results of which are summarised below.

Formal description of the new species of Yungas Tyrannulet *Phyllomyias weedeni*

Sebastian K. Herzog

The formal description of this recently discovered species from the northern Bolivian and extreme southeast Peruvian Yungas was submitted to international ornithological journal, The Auk, in 2005. The manuscript was provisionally accepted for publication pending the further work. Since then, more specimens and vocalizations of the apparent sister species *Phyllomyias fasciatus* (Planalto Tyrannulet) have been measured and analyzed quantitatively and field surveys undertaken to help determine the distribution of the Yungas Tyrannulet. These analyzes not only reconfirmed the validity of the new species, but they also provided strong evidence that the Planalto Tyrannulet may be composed of more than one species. The final paper was published in Auk in 2008 (Herzog et al.) A detailed analysis of the conservation status of the new species indicates that it qualifies for the globally threatened category "Vulnerable" under IUCN Red List Criteria D1 (population size estimated to number fewer than 1,000 mature individuals), B1a and B1b (extent of occurrence estimated to be $<20,000 \text{ km}^2$, known to exist at no more than 10 locations, and continuing decline projected in extent of area of occupancy, extent and quality of habitat, and number of mature individuals), and C2a (population size estimated to number $<10,000$ mature individuals and a continuing decline projected in mature individuals with no subpopulation estimated to contain $>1,000$ mature individuals).

Palkachupa Cotinga *Phibalura flavirostris boliviana* Conservation Project

Bennett Hennessey, Sandro Valdez, Ruth Alipaz, and William Ferrufino

Major morphological, habitat and behavioural differences were documented in the field and the results submitted to an international ornithology journal. However, the manuscript was rejected based mainly on insufficient specimens being available to confirm field, photographic and video observations of the morphological differences. We believe that the taking and killing of the birds required to provide new specimens would, in the eyes of local people, taint the conservation efforts for this population. As a result conservation continues as outlined below without formal recognition of the species status of this population.

The Bolivian Swallow-tailed Cotinga (*Phibalura flavirostris boliviana*) or Palkachupa Cotinga *Phibalura boliviana* as we believe the species will eventually be known is endemic to a tiny area (1800 km²) in the foothill region of Apolo, La Paz department, where it inhabits patches of open woodland and forest margins. Prior to its rediscovery by Armonía in 2000, the only records of the species were two specimens collected in Aten in 1902 and a specimen without data. Field surveys at 30 suitable sites between the northern- and southernmost records of the species (Pata and Aten, respectively) found the birds, known locally as Palkachupa, at 14 sites, with the highest number of individuals in the area of Aten. Preliminary census data suggest a total population of about 1000 individuals.

The species' survival is threatened by destruction and degradation of its habitat as a result of uncontrolled burning, overgrazing and firewood-collection. Presentations in schools and community meetings in Aten (see right) have been raising local awareness of the plight of the cotinga, generating pride and a sense of concern for its conservation. A long-term conservation program with the communities of Pata and Aten to monitor Palkachupa Cotinga reproduction and habitat



recovery has also been initiated although it is hampered by a lack of large scale funding. Both communities live in areas with high concentrations of Palkachupa, and during our education presentations, local residents volunteered to be involved in the recuperation of the species. We have established a person in each community with a GPS unit who will take notes on the nests in the surrounding area. This community monitoring data is collected by an Armonia fieldworker each year and analysed so that population status and habitat changes can be monitored and then

presented to the communities before the next dry season. By repeating these actions each year, with local community participation, we believe we will be able to motivate the improvement of habitat in the area and document the recuperation of the Palkachupa Cotinga. It would also be desirable to establish managed burning of cattle pastures to prevent burning of nest trees and a much larger scale environmental education program is necessary in the area, with an emphasis on controlled burning for cattle pasture. However these are dependent on future funding.

The status of Cloud-forest Screech-owl *Megascops marshalli* in Bolivia

Sebastian Herzog

The results of this work were published in the Wilson Journal of Ornithology in 2009 under the title Vocalizations, distribution and ecology of the Cloud-forest Screech-Owl (*Megascops marshalli*) by Herzog, et al. an abstract of which is provided below.

The poorly known Cloud-forest Screech Owl (*Megascops marshalli*) is a Peruvian endemic known from only two localities, and its vocalizations have not been documented. We report the first Bolivian specimen and sound-recordings, an analysis of the species' longsong in comparison with other brown-eyed Andean screech owls, and discuss its distribution, natural history, ecological relationships with sympatric congeners, and conservation status. Longsongs were most similar to those of the allopatric Cinnamon Screech Owl (*M. petersoni*) in northern Peru and Ecuador. Principal component analysis of four vocal characters identified: (1) notable overlap between the two species; (2) some overlap of the Cloud-forest Screech Owl with Ecuadorian, but not with sympatric Bolivian populations of the Rufescent Screech Owl (*M. ingens*); and (3) considerable, evidently clinal geographic variation in the Rufescent Screech Owl. Divergence in vocal characteristics between the Cloud-forest Screech Owl in Bolivia and other species decreased with increasing geographic distance. The Cloud-forest Screech Owl is now known from six localities from Departamento Pasco, Peru, south to Departamento Cochabamba, Bolivia, and has a disjunct distribution with four subpopulations and an overall extent of occurrence of ~12,700 km². Its preferred habitat is pristine to at most slightly disturbed wet montane forest with high structural complexity, dense understory, and abundant epiphytes. It has been recorded at altitudes of 1,550-2,580 m, but locally its altitudinal range is ~500 m, where it is narrowly syntopic with Rufescent Screech Owl at its lower and White-throated Screech Owl (*M. albogularis*) at its upper terminus. Narrowly overlapping altitudinal replacement in Andean *Megascops* taxa combined with variable location of replacement zones depending on local ecoclimatic conditions suggest that species' distributions are primarily maintained by exclusion via interspecific competition. The Cloud-forest Screech Owl is currently properly listed as Near Threatened, but further research may show it is more appropriately categorized as Vulnerable.

3 Capacity Building & Training Work

3.1 National Bird Conservation Centre

The aim of this section of the project was to increase Bolivia's long term conservation capacity by building and equipping a Bird Conservation Centre, which would support all bird conservation projects in Bolivia, both during the project and in the long term. A central problem for individual conservation projects in Bolivia is the expense of renting office space and buying computers which are not needed during the fieldwork but which are crucial to efficient project management. The conservation centre was thus designed to provide office facilities (especially access to computers and administrative support), meeting rooms and access to Armonia's regionally important ornithology and conservation library to support both the work of the Threatened Birds of Bolivia Project and five existing threatened species conservation projects.

The centre was built in the first half of 2004 and opened in July 2004. It is situated adjacent to the office of Armonia, the Bolivian BirdLife partner who provided the land for the building and cover the operating costs. The Bird Conservation Centre, provides a large central office with computing facilities for support staff, another open plan area as a drop in facility for project fieldworkers to use in analysing their data and writing up reports, a meeting room, another office, a dedicated library with one of the best ornithological and conservations collections (a large part of the collection was donated by Dr David Snow), a reception and display area holding displays about the conservation projects running out of the conservation centre, shower facility for returning fieldworkers and a project equipment store. Their will be open to ornithologists and conservationists throughout Bolivia, from all organisations, and so with Armonia's support the project will be able to provide a long term conservation facility at a very low cost. Since its construction the space and facilities provided have helped Armonia grow from running five to running 16 bird conservation projects. The centre is also used by visiting ornithologists and the facilities have been used to help plan or initiate several other conservation projects including projects on the threatened Yellow-rumped Antwren and Rufous-throated Dipper. Below we provide a summary of three Armonia conservation projects that have particularly benefitted from the facilities of the conservation centre.

Titicaca Flightless Grebe Conservation Project

The Titicaca Flightless Grebe, *Centropelma micropterum*, is endemic to the Lake Titicaca catchment in northern Bolivia and southern Peru. It is considered Endangered by IUCN on account of its very rapid population decline – 15% of the total population between 2003 and 2005. The current population is estimated at between 900 and 1200 individuals. Threats identified by Armonía include loss of rush-bed breeding habitat, water-pollution and over-fishing though the principal cause of drastic population decline is drowning in monofilament nets which have been used on the lake since the early 1990s. Armonía continues to census the grebe population in Bolivia and, in collaboration with the Lake Titicaca National Reserve in Peru, is conducting experiments to identify fishing methods and materials which maintain fish-catch while significantly reducing by-catch of grebes. Furthermore, outreach activities aimed at raising

awareness of the grebe's plight include local talks, distribution of posters and pamphlets, and the production of an informative video to be broadcast on Bolivian television.

This project was started up by one volunteer and in its early years the conservation centre provided facilities and office support that would have been prohibitively expensive to obtain in any other way. Now that the project has better funding it has moved to a new base in the Bolivian capital La Paz, which is nearer Lake Titicaca. However, without the conservation centre it would probably never have had the chance to grow.

Wattled Curassow Conservation Programme

The Wattled Curassow, *Crax globulosa*, is considered Vulnerable of Extinction owing to its extremely fragmented distribution in Colombia, Peru, Brazil and Bolivia. In Bolivia, where it was rediscovered by Armonía in 2001, the Wattled Curassow is known only from seasonally flooded Amazonian forests along the Río Negro in Beni department. The Bolivian population, estimated at less than 130 birds, is one of the largest remaining populations in existence. Current threats to the survival of the Wattled Curassow include hunting and habitat degradation through logging.

Armonía's conservation actions are concentrated in the community of San Marcos in the Tacana III Indigenous Territory, on whose land the entire Bolivian Wattled Curassow population is found. Through support and outreach activities a strong relationship is being built with local stakeholders; and with them means of protecting the curassow and its habitat while improving local quality of life are being developed. Extensive surveys of the curassow population and of other species in its habitat have been carried out and community members are being trained and employed as parabiologists.

The San Marcos community has shown strong commitment to conservation with the declaration and enforcement of a ban on all hunting and logging activities in the forest inhabited by the curassow. To sustain this crucial local involvement Armonía is supporting the development of community-based tourism with the construction of a tourist lodge and training in ecotourism operation and administration.

This project started in 2004 and ran for several years with only intermittent funding. During the periods without funding the conservation centre provided the facilities to continue running the project and to develop the successful funding applications that mean this is now one of the largest species conservation projects now run by Armonia.

Red-fronted Macaw Conservation Program

The overarching goal of Armonía's Red-fronted Macaw conservation program is to prevent the extinction of this Endangered endemic macaw through sustainable actions that integrate community development assistance and environmental education with Red-fronted Macaw monitoring and investigation. In 2008 development assistance focused on strengthening the community ecotourism and honey production projects started in 2006 in Amaya, Perereta and San Carlos as measures to improve the standard of living in the communities and generate

support and direct involvement of local stakeholders in the protection of a high priority breeding site on the Mizque River. As a first step toward expanding the reach of the program to include key areas throughout the Red-fronted Macaw's range, awareness-raising and environmental education activities were initiated with communities in the Caine and Pilcomayo river systems. Red-fronted Macaw monitoring activities included population and breeding bird censuses at key sites in the Mizque, Caine and Pilcomayo river systems and monitoring foraging behavior in areas where the macaw is considered to be a pest by local farmers. Additionally, a radio telemetry study was initiated to elucidate unknown aspects of the spatial ecology of Red-fronted Macaw.

Achievements in 2008 included:

Community development assistance

- 124 acre Red-fronted Macaw Reserve was created to protect the San Carlos nesting cliffs and native vegetation that is important foraging habitat not only for the Red-fronted Macaw but also for honey bees.
- Construction of accommodations for an additional eight guests, a larger kitchen and quarters for support personnel increased significantly the capacity and earning potential of the Red-fronted Macaw Ecolodge.
- Support of Ecolodge operation and administration assured continued quality service and customer satisfaction.
- A trail was constructed to provide access to a pre-Inca archaeological site located near the Ecolodge.
- Ecolodge promotion in two national and three international tourism fairs.
- 18 community members capable of managing honey production.
- 92 kilos of honey were produced; nearly double production in 2007.
- Medical and dental attention to more than 150 people in Amaya, Perereta and San Carlos; 126 children received dental care and treatment for parasites.
- Training workshop with 30 members of the Toro Toro Guide Association and five Toro Toro National Park guards.

Environmental education and outreach

- Presentations to raise awareness in five key communities in Caine region and two in Pilcomayo area.
- Environmental education activities with more than 460 students and 30 teachers.
- Dissemination of information on the Red-fronted Macaw and Armonía's conservation program in three major Bolivian newspapers and the in-flight magazine of a nation airline.
- Launch of a national campaign against illegal wild bird trade: a traveling exhibit in five major cities was visited by more than 2600 people; media campaign reached approximately 2,800,000 people or 33% of the population.



Monitoring and investigation

- Population and breeding bird census at 28 sites (pictured to the right a breeding pair)



- Monitoring of foraging behavior during the non-breeding season.
- Radio tracking of five macaws.

This project uses the conservation centre as its permanent administrative base, with researchers and conservation workers returning to the centre to write their reports and analyze their data. The existence of the conservation centre means that more of the conservation funds raised for the project can go to conservation activities in the field than would be possible if the project needed to rent its own office space and employ administrative staff.

3.2 Annual Ornithological Field Training Workshop

The ornithology workshop was designed to teach scientific fieldwork skills applicable to bird conservation, especially the skills needed to identify and monitor Important Bird Areas and to study species of conservation importance. They were aimed at biology students and recent graduates with an interest in ornithology who want to develop their skills. Originally the workshop was to be run twice, once in 2004 and once in 2005, with 8 trainees in each year. However the planned location, the Los Volcanes Field Research Station became unavailable due to a change in management and the courses were postponed. Finally, the week long course was run in November 2007 by Dr Sebastian Herzog using the Bird Conservation Centre as the base. Eighteen trainees from all over Bolivian attended including four from Armonia and learned about ornithological field methods, including visual identification, audio identification, dawn chorus sound recording, individual species sound recording and scientific survey & inventory methods suitable for rapid assessment of tropical forest bird communities.



Ornithology training course participants and staff

3.3 Conservation Training Initiative

In the medium term the limiting factor in determining how much successful conservation work can be carried out in Bolivia and on its threatened birds is the number of skilled field personnel with experience to run projects. All conservation organisations in Bolivia find difficulty in recruiting suitably experienced staff, in part because the country's universities are unable to provide much practical field experience due to funding constraints. This part of the project aimed to address this short fall by organizing training for Bolivian biology students and fieldworkers with established bird conservation projects. The aim of this part of the project was to train the next generation of conservationists in the conservation skills they will need. The initiative funded short-term placements of 1 week to 2 months for 17 trainees to gain experience and skills working on conservation projects. This initiative also provided a direct bonus to the established conservation projects by providing extra manpower. Between 2004 and 2007 seven trainees gained experience during the IBA inventory project, seven trainees gained experience on the Horned Curassow project, two on the Rufous-throated Dipper project and one on the Wattled Curassow conservation project.

3.4 Conservation Funding Workshop

The final phase of the project's training and capacity work was designed to help ensure that funding is available for future conservation projects including those that arose from the work of the TBB project. The aim was to pass on fund raising knowledge to young Bolivian biologists so that they could make their own applications for funding of priority conservation projects. Originally this workshop was planned for 16 participants but due to the enormous number of good applications from throughout the country the workshop was expanded more than 3 fold with 55 people attending. Instructors included specialists from Britain, Germany and Canada and from 6 Bolivian conservation NGOs and scientific organisations. The workshop started with two days of theory including information on what conservation funds are available both nationally and internationally, how to make international funding applications in English and Spanish and where to look for new funding sources. This will be followed up by three days of practical work for selected students who already have a conservation project planned to help them prepare a funding application for it. Four of the participants have gone on to successfully apply for Future Conservationist Awards from the Conservation Leadership Programme and others have been successful in applying for other grants.

4 Exit Strategy and Continuation of Work

Working within the framework of the IBA programme provided a clear exit strategy for the project with the new sites identified by data collected during this project becoming national conservation priorities recognised by both the conservation community and the Bolivian government. Our main counterpart organisation, Armonia/BirdLife Bolivia now manages and promotes conservation action in the newly identified IBA's as part of Phase 4 of the national IBA programme. This work includes running long term projects for the conservation of 14 threatened bird species, with projects often spanning several IBAs where these species are found. The work is supported by the resources of the National Bird Conservation Centre which provides the necessary facilities for continuation of the projects started with CLP/BPCP funding and as a result the outputs of the Threatened Birds of Bolivia Project will continue to support conservation action for many years. In total 16 bird conservation projects and 31 staff are currently supported by the conservation centre's facilities. In addition the project's work in developing the skills and experience of 90 Bolivian conservationists and fieldworkers and has helped these key personnel develop conservation management plans and funding applications for the species conservation projects they now work on, ensuring the capacity to expand existing conservation projects and start future conservation initiatives. A particularly pleasing outcome has been that four of the people trained during the project have gone on to win Future Conservationist Conservation Leadership Awards for their own projects.

5 Principle Project Members

José Antonio Balderrama Torrico (35) – Biology graduate of Universidad Mayor de San Simón, Cochabamba and one of Bolivia's most experienced field ornithologists with specialist knowledge of the birds of the High Andes of Cochabamba. Fieldworker on the Cochabamba Mountain-Finch section of the project. Bolivian.

Juan Carlos Crespo Arteaga (30) – Biology graduate of Universidad Mayor de San Simón, Cochabamba, with specialist interest in ornithology. Part of the team carrying out the Bolivian Spinetail surveys. Bolivian.

Paola Gabriela Grismondi Paredes (33) – Biology graduate from Universidad Mayor de San Andrés, La Paz. Part of team carrying out surveys to determine distribution and conservation status of Yungas Tyrannulet. Bolivian.

M. Isabel Gómez (32) – Ornithologist, Departamento de Ornitología Museo Nacional de Historia Natural – Colección Boliviana de fauna. Isabel was winner of a BP Conservation Award in 2002 and lead the team working on the conservation of the La Paz Polylepis. She will also working with Paola to determine the status of Yungas Tyrannulet.

Caroli Hamel (34) – Biology graduate from Universidad Mayor de San Simón, Cochabamba, with specialist interest in entomology and previously a member of the Yungas 2001 BP Conservation Award winning team. Entomologist of the IBA biodiversity inventory team helping determine the conservation importance of potential IBAs for invertebrate taxa. Bolivian.

Sebastian Herzog (42) – Director of Los Volcanes Field Research Station, Santa Cruz, completed doctorate from University of Göttingen, Germany in 2001 and one of Bolivia's most expert ornithologists. Previously a member of the Yungas 2001 BP Conservation Award winning

team, Sebastian was training director for this project as well as coordinating the Cochabamba Mountain-finches, Yungas Tyrannulet and Cloud-forest Screech-owl sections of the project. German.

Sophie Lake (34) – British ornithologist who initiated the Bolivian Spinetail project.

Durwyn Liley (35) - British ornithologist who initiated the Bolivian Spinetail project.

Noemi Esther Huanca (26) Llanos Biology graduate of Universidad Mayor de San Simón, Cochabamba, with specialist interest in ornithology. Current coordinator of the Cochabamba Mountain-Finch project.

Aidan Maccormick (32) – Ornithologist. Zoology graduate (2001) from Glasgow University. Previously member of the 1998 threatened Birds of the Bolivian Yungas team and coordinator of the Yungas 2001 expedition both of which won BP Conservation Awards, Aidan was project coordinator for this new project and leader of the IBA inventory team. British.

Ross Macleod (41) - Completed doctorate in ornithology at Oxford University in 2003. Previously leader of the Yungas 2001 BP Conservation Award winning team, Ross is the project leader for the new project, part of the IBA inventory team and will be worked on the Horned Curassow section of the project.

Arturo Muñoz (31) - Biology graduate (2003) from Universidad Mayor de San Simón, Cochabamba with specialist interest in herpetology and previously a member of the Yungas 2001 BP Conservation Award winning team. Herpetologist for the IBA biodiversity inventory team helping determine the conservation importance of potential IBAs for reptiles and amphibians. Bolivian.

Eberth Rocha Ledezma (24) – Biology graduate from Universidad Mayor de San Simón, Cochabamba, with specialist interest in ornithology. Part of the IBA inventory team and the team carrying out the Bolivian Spinetail surveys. Bolivian.

Mónica San Cristobal G. (34) Biology graduate from Universidad Mayor de San Simón, Cochabamba, with specialist interest in entomology and more recently bird conservation. Entomologist on the IBA biodiversity inventory team helping determine the conservation importance of potential IBAs for invertebrate taxa. Current coordinator of the Bolivian Spinetail conservation project.

Rodrigo Soria (31) - Biology graduate from Universidad Mayor de San Simón, Cochabamba with specialist interest in ornithology. Worked for Armonia for six months in 2003 as IBA programme data manager helping identify first 23 IBAs. Ornithologist for the IBA biodiversity inventory team and coordinating the Horned Curassow work. Bolivian.

Victor Garcia Soliz (30) - Biology graduate from Universidad Mayor de San Simón, Cochabamba, with specialist interest in ornithology. Ornithologist for the IBA biodiversity inventory team helping determine the conservation importance of potential IBAs for birds. Bolivian. Part of the Horned Curassow team.

6 Financial Summary

Financially the project was in the fortunate position that we were able to raise significant additional funds for all parts of the project compared to the planned spend of \$112,000. Thus we were, in virtually all cases, able to allocate and spend the \$75,000 of the CLP/BPCP Consolidation award as proposed in the original Threatened Birds of Bolivia application. Of course there were the inevitable changes and increases in budgets but by in large we were able to meet these with the additional funding rather than by changing the original budget. The key differences were that 1) we spent less on park guard training for Horned curassow training than originally envisaged because use of training facilities was provide by the national parks, 2) we allocated the money saved under 1 to a larger community workshop for the Horned Curassow that included bringing in stakeholders from throughout the region to meet together to help produce the Horned Curassow Working Species Action Plan, 3) the originally planned 2 ornithology field training workshops were amalgamated into one larger workshop reducing costs. 4) We currently have \$600 of funding remaining from the under spend in 3 and we plan to put this towards printing an ornithology field techniques manual which we translated into Spanish during the project to help with the ornithology field training.

Financial Summary

Training

- Ornithology Field Training Workshops	\$2,400
- Conservation Funding Workshop	\$1,500
- Conservation Training Initiative travel & subsistence payments	\$3,000
- Park guard training & monitoring for Horned Curassow	\$ 700
- Community workshops for Horned Curassow protection	\$2,100
- Polylepis sustainable use local community workshops	\$1,000

Salaries \$30,580

(5 conservation coordinators and 7 fieldworkers employed on the 6 focal projects)

Field costs

- Transport	\$17,399
- Food & consumables	\$13,729
- Accommodation	\$3,482

Equipment

- Conservation Training Initiative equipment for trainees	\$1,600
- Scientific Equipment for fieldwork (binoculars, GPS, microphones, recorders etc.)	\$4,400
- Maps	\$200
- Field Equipment (tents, cooking gear, rucksacks, medical kit etc.)	\$2,700
- Equipment for Conservation Centre (3 computers, office photocopier etc)	\$3,000

Miscellaneous

Polylepis Alternative Fuels Project	\$2,000
Polylepis Habitat Protection & Community Support	\$3,500

Polylepis Regeneration Feasibility Study	\$5,000
Construction of Conservation Centre	\$6,000
Administration & Overheads	\$7,110
Total	\$111,400

In addition to the funding provided by the CLP/BPCP Consolidation award we are very grateful to the following funders Darwin Initiative, Weedon Foundation, Conservation International, Nigel Simpson, Nuttall Ornithological Club, BES, The Charles Blake Fund, Glasgow University, RGS and many others.

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Appendix 1 – Ornithology Inventory Methodology

Systematic inventories of the birds present at each site were conducted using visual and audio identification. In the field, identification was based on standard field guides, mainly The Birds of South America volumes 1 & 2 (Ridgely & Tudor 1989, 1994) and Birds of the High Andes (Fjeldså & Krabbe 1990) and reference CDs made from the CD-ROM audio sound guide Birds of Bolivia 2.0 (Mayer, 2000). Visual identifications were made using binoculars and supported by field notes, sketches and photographic evidence. Audio identification was based on extensive use of sound recording and play back techniques (Parker 1991). On return from the field, an extensive collection of additional ornithological references works was available to confirm difficult visual or audio identifications. This collection, which included the Handbook of the Birds of the World Vols. 1 to 9 (del Hoyo et al. 1992 to 2004) and virtually all current South American field and sound guides is held in the David Snow Library, Armonia, Santa Cruz.

At each location a mixture of newly cut trails, existing paths, and dry riverbeds were used as transects covering the complete range of microhabitats in the 4 km diameter survey area. Every individual bird detected, either visually or audibly, was registered while walking along these transects. Inventory work began before first light (normally between 0530 and 0630 hrs, depending on season and location) with sound recording of the dawn chorus. Work normally continued through the morning until approximately 1100hrs, with exact stopping time depending on bird activity. Inventory work then restarted at about 1600 hrs and continued until dusk (normally between 1800 and 1900 hrs). Nighttime transects were also conducted for nocturnal and crepuscular species such as owls and nightjars. The work was conducted with each observer using 8x binoculars for visual identification and sound recording equipment (either a Sony TCM 5000 cassette tape recorder or Sharp Minidisk MT280E recorder each with a Sennheiser ME 66 shotgun style directional microphone) to back up audio identification.

To estimate the proportion of the total bird community that had been registered at a site during the rapid assessment inventory we recorded the total number of species observed and whether a species was detected once, twice or many times during our time in the area. This allowed us to use the Chao2 species richness estimator to calculate the total number of species predicted to make up the bird community of the study area (Colwell & Coddington 1994). This was done using the formula $S_{exp} = S_{obs} + (A^2/2B)$ where S_{exp} is the number of species expected, S_{obs} is the number of species observed/detected, A is the number of species for which only one individual was detected and B is the number of species for which only two individuals were detected.

To estimate the relative abundance of each species at each site we used the McKinnon Lists Method (Poulsen *et al.* 1997, Bibby *et al.* 2000). To do this every individual bird detected, either visually or audibly, was registered in the order encountered on our outward journeys along the transects. Descriptions or sound recordings were made of any bird that could not immediately be identified. After returning from the field we used reference materials to identify any mysteries and then produced a consecutive master list of all individuals registered during our outward bound transect surveys. Registrations for the return journeys along the transects were not included to avoid the possibility of prominent individuals being registered twice and biasing the sample. The master list was then divided into samples of 10 species each. Starting at the top of

the master list the first sample recorded the first 10 species registered, subsequent registrations of any species that had already occurred in this sample were excluded from the data so that each of the 10 species on the sample list were different. After completing the first 10 species list we started the process again to produce a second 10 species list sample, and followed this process until we reached the last full list of 10 species at the end of the consecutive list. We thus produced a series of samples from which the relative abundance of a species could be estimated by calculating the proportion of samples (lists) in which it had occurred (Poulsen *et al.* 1997, Bibby *et al.* 2000, Macleod *et al.* In prep). This method was field tested in Bolivia prior to the start of the KBA project and has been shown to produce consistent, repeatable species abundance estimates thus making the results comparable between observers and sites (Macleod *et al.* In prep).

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Appendix 2 – Biodiversity Inventory Sites

Site Code	Site Name	Habitat Type	Date	Date	Department	Province	Coordinates South	Coordinates West	Altitude Minimum	Altitude Maximum
01	San Juan	Sabanna	09/10/2003	14/10/2003	Beni	Mamore	13° 23.890	64 ° 35.956.	130	140
02	San Lorenzo	Bosque Galeria	09/10/2003	14/10/2003	Beni	Mamore	13°26.926	64 ° 36.279.	130	140
03	Huarrasca	Palma Isla	15/10/2003	22/10/2003	Beni	Mamore	13°17.4	64 ° 30.9	150	150
04	Marimia	Cerrado	26/03/2004	03/04/2004	Santa Cruz	J M de Velasco	16°45.897	60 ° 23.262.	380	390
05	Marimia	Chiquitania Tucumano-Boliviano	26/03/2004	03/04/2004	Santa Cruz	J M de Velasco	16°45.897	60 ° 23.262.	400	400
06	Serania Inao - Ticucha	Tucumano-Boliviano	07/04/2004	12/04/2004	Chuquisaca	Luis Calvo	19° 36' 17.2"	63° 53' 10.4"	1300	1670
07	Serania Inao - Los Pinos	Boliviano	14/04/2004	19/04/2004	Chuquisaca	H Siles	19 37 06.4	63 51 36.8	1200	1480
08	Parapetiguasu - Taremakua	Chaco Serrano	06/04/2004	12/04/2004	Santa Cruz	Cordillera	20°14'44"	63°11'27"	1000	1200
09	Parapetiguas - Uruwigua	Chaco	12/04/2004	19/04/2004	Santa Cruz	Cordillera	20°14'11"	63°13'51.9"	960	960
10	Rio Beni - Varzea	Varzea	09/05/2004	17/05/2004	Beni	Jose Ballivian	13° 43' 13.4"	67° 22' 31.9"	160	160
11	Paraparu - Sitio 1	Sabanna	06/05/2004	10/05/2004	Beni	Mamore	13°51'00"	64°24'04"	150	150
12	Paraparu - Sitio 2	Palma Isla	11/05/2004	14/05/2004	Beni	Mamore	13°51'00"	64°24'04"	155	155
13	Paraparu - Sitio 3	Bosque Galeria	15/05/2004	18/05/2004	Beni	Mamore	13°49'29"	64°26'14"	160	160
14	Sama - Cerro Cobre	Polylepis	07/06/2004	11/06/2004	Tarija	Avilez	21°41'22"	65°09'04"	3800	4000
15	Sama - Calderilla	Polylepis	11/06/2004	17/06/2004	Tarija	Aviles	21°44'01"	64°55'47"	2600	2760
16	Cuenca A, Inferniello	Polylepis	24/06/2004	02/07/04	Cochabamba	Tiraque	17°26'38"	65°32'33"	3400	3400
17	Cayimbaya	Polylepis	22/07/2004	27/07/2004	La Paz	Murillo	16°42'19.9"	67°44'58.5"	3420	3450
18	Alto Madidi	Amazonia	22/08/2004	28/08/2004	La Paz	Ituralde	13 38 00	68 44 00	260	260
19	Serania del Tigre	Lower Yungas Tucumano-Boliviano	29/08/2004	05/09/2004	La Paz	Ituralde	13°35.231	68°38.584'	600	1100
20	Tariquia, El Cajon - Site 1	Tucumano-Boliviano	09/08/2004	16/08/2004	Tarija	Arce	22° 20'08"	64 ° 08'08"	700	850
21	Tariquia, El Cajon - Site 2	Tucumano-Boliviano	16/08/2004	23/08/2004	Tarija	Arce	22° 16'10"	64 ° 10'38"	650	700
22	Alarachi - Sitio 1	Boliviano	29/08/2004	03/09/2004	Tarija	Arce	22° 12'03"	64 ° 37'49"	1100	1500

23	Alarachi - Sitio 2	Tucumano-Boliviano	04/09/2004	09/09/2004	Tarija	Arce	22° 11'18"	64° 36'15"	1600	2050
24	Altamachi - Sitio 1	Subandino	15/09/2004	28/09/2004	Cochabamba	Ayopaya	16°02'27"	66° 38'54"	600	1250
25	Altamachi - Sitio 2	Lower Yungas	15/09/2004	28/09/2004	Cochabamba	Ayopaya	16°02'27"	66° 38'54"	600	1250
26	Madidi - Los Cocos	Lower Yungas	01/10/2004	08/10/2004	La Paz	Franz Tamayo	14°03'55.4"	68°50'49.1"	900	1250
27	Carrasco - Rio Leche	Subandino	15/10/2004	26/10/2004	Cochabamba	Carrasco	939",	64° 45' 703"	500	600
28	Manuripi - Santa Rosa	Amazonia	21/10/2004	27/10/2004	Pando	Manuripi	12°00'00"	68° 52'32"	190	190
29	Manuripi - Malecon	Amazonia	27/10/2004	31/10/2004	Pando	Manuripi	11°57'12"	68° 48'35"	190	190
30	Florida - Centro Negro	Amazonia	01/11/2004	08/11/2004	Pando	Manuripi	12°18'47"	68° 40'07"	190	190
31	Rio Negro - Sitio 1	Varzea	09/11/2004	27/10/2004	Beni	Ballivian	13 44 57.9	67 17 09.0	140	160
32	Rio Negro - Sitio 2	Varzea	09/11/2004	27/10/2004	Beni	Ballivian	13 44 55.4	67 18 04.5	160	180
33	Rodeo	Polylepis	30/11/2004	04/12/2004	Cochabamba	Tiraque	S17°26'38"	65°32'33"	3800	4000
34	Chuspiloma	Upper Yungas	07/12/2004	11/10/2004	Cochabamba	Tiraque	17°23'08"	65°33'02"	3250	3400
35	Corbalan	Chaco	10/12/2004	14/12/2004	Tarija	Gran Chaco	21 39 24.9	62 28 06.4	290	290
36	Serrania Aguarague	Chaco Serrano	16/12/2004	20/12/2004	Tarija	Gran Chaco	21 35 13.7	63 35 49.3	850	900
37	Kaa Iya - Banados	Chaco	21/01/2005	25/01/2005	Santa Cruz	Cordillera	18° 28' 31.1"	62° 05' 02.8"	300	300
38	Kaa Iya - Charata	Chaco	26/01/2005	31/01/2005	Santa Cruz	Cordillera	18 27 19.3	62 06 50.9	320	320
39	Tariquia - Los Pinos	Tucumano-Boliviano	18/01/2005	24/01/2005	Tarija	Arce	S21°54'52"	64°31'34"	1600	1700
40	Tariquia - Quebrada Lorayo	Boliviano	24/01/2005	30/01/2005	Tarija	Arce	S21°54'00"	64°35'08"	2650	2800
41	Sama - Corqui	Cardonal	01/02/2005	05/02/2005	Tarija	Aviles	S21°29'34"	65°04'12"	3200	3350
42	Entre Rios - Paraiso del Tordo	Chaco Serrano	21/02/2005	25/02/2005	Tarija	O'connor	21 35 54.4	64 09 01.7	1200	1400
43	Yumao	Chaco Serrano	26/02/2005	02/03/2005	Santa Cruz	Cordillera	19 05 55.9	63 35 21.2	500	550
44	Sajta	Amazonia	27/02/2005	06/03/2005	Cochabamba	Carrasco	S17°07'03.1"	W64°45'47.8"	230	230
45	San Matias - Sitio 1	Pantan	05/04/2005	09/04/2005	Santa Cruz	Sandoval	16°52'56.6"	58°41'23.5"	130	130
46	San Matias - Sitio 2	Chiquitania	12/04/2005	16/04/2005	Santa Cruz	Sandoval	16°34'59.9"	59°09'55.5"	180	250
47	Valle de Tucavaca	Cerrado	02/05/2005	07/05/2005	Santa Cruz	Chiquitos	18 12 59.5	59 28 20.4	150	200
48	Santiago de Chiquitos	Chiquitania	08/05/2005	12/05/2005	Santa Cruz	Chiquitos	18 20 23.5	59 35 49.6	450	900
49	Otuquis - San Juan del Mutun	Pantan	13/05/2005	17/05/2005	Santa Cruz	German Busch	19 14 15.1	57 57 10.4	70	80
50	Otuquis - Laguna Caceres	Pantan	19/05/2005	22/05/2005	Santa Cruz	German Busch	18 58 43.7	57 45 57.0	90	90
51	Santa Anita, Sitio 1	Sabana	13/05/2005	17/05/2005	Beni	Moxos	15°08'45.4"	65°15'55.5"	160	160

52	Santa Anita, Sitio 2	Sabana	18/05/2005	21/05/2005	Beni	Moxos	15°06'03.1''	65°18'00.4''	155	155
53	Tarija Chaco 1	Chaco	02/01/2005	05/01/2005	Tarija		21 48 53	63 26 54	425	540
54	Tarjia Chaco 2	Chaco	04/01/2005	06/01/2005	Tarija		21 50 17	63 05 02	310	490
55	Madidi - Los Cocos 2	Lower Yungas	20/02/2005	28/02/2005	La Paz	Franz Tamayo	14°03'55.4''	68°50'49.1''	900	1280
56	RN Exped Sitio 1	Varzea	25/06/2005	12/06/2005	Beni	Jose Ballivian	13 46 06.2	67 17 15.0	160	180
57	RN Exped Sitio 2	Varzea	25/06/2005	12/06/2005	Beni	Jose Ballivian	13 43 53.1	67 16 42.2	160	180
58	Mosetenes Expedition	Lower Yungas	28/08/2003	21/09/2003	Cochabamba		16°13'58"	66°24'54"	1180	1600

Appendix 3 – Bird Inventory Data

4998 distributional records for the 914 bird species recorded during 48 site inventories, 1 = present, 0 = not detected. Number at the top of each column is the site code corresponding to the sites in appendix 2.

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26		
<i>Rhea americana</i>	Greater Rhea	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Tinamus tao</i>	Gray Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1		
<i>Tinamus major</i>	Great Tinamou	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0		
<i>Crypturellus cinereus</i>	Cinereous Tinamou	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0		
<i>Crypturellus soui</i>	Little Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	
<i>Crypturellus obsoletus</i>	Brown Tinamou	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	
<i>Crypturellus undulatus</i>	Undulated Tinamou	0	1	1	1	1	0	0	1	0	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	1	0	
<i>Crypturellus strigulosus</i>	Brazilian Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Crypturellus atrocapillus</i>	Black-capped Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Crypturellus parvirostris</i>	Small-billed Tinamou	0	1	1	1	1	0	0	1	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Crypturellus tataupa</i>	Tataupa Tinamou	0	0	0	0	1	1	1	1	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0
<i>Rhynchosciurus rufescens</i>	Red-winged Tinamou	1	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rhynchosciurus maculicollis</i>	Huayco Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
<i>Nothoprocta ornata</i>	Ornate Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0
<i>Nothoprocta pentlandii</i>	Andean Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Nothura boraquira</i>	White-bellied Nothura	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nothura darwini</i>	Darwin's Nothura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Tinamotis pentlandii</i>	Puna Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Ortalis canicollis</i>	Chaco Chachalaca	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ortalis guttata</i>	Speckled Chachalaca	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	
<i>Penelope montagnii</i>	Andean Guan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Penelope superciliaris</i>	Rusty-margined Guan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Penelope dabbenei</i>	Red-faced Guan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
<i>Penelope jacquacu</i>	Spix's Guan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0
<i>Penelope obscura</i>	Dusky-legged Guan	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Pipile cumanensis</i>	Blue-throated Piping-Guan	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0	0	0	0	0	1	1	0
<i>Mitu tuberosa</i>	Razor-billed Curassow	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0
<i>Crax globulosa</i>	Wattled Curassow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Crax fasciolata</i>	Bare-faced Curassow	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Odontophorus gujanensis</i>	Marbled Wood-Quail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Odontophorus speciosus</i>	Rufous-breasted Wood-Quail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26
<i>Odontophorus stellatus</i>	Starred Wood-Quail	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Anhima cornuta</i>	Horned Screamer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chauna torquata</i>	Southern Screamer	1	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dendrocygna bicolor</i>	Fulvous Whistling-Duck	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dendrocygna viduata</i>	White-faced Whistling-Duck	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dendrocygna autumnalis</i>	Black-bellied Whistling-Duck	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Neochen jubata</i>	Orinoco Goose	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Cairina moschata</i>	Muscovy Duck	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
<i>Amazonetta brasiliensis</i>	Brazilian Teal	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Merganetta armata</i>	Torrent Duck	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
<i>Anas flavirostris</i>	Speckled Teal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Tachybaptus dominicus</i>	Least Grebe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
<i>Podilymbus podiceps</i>	Pied-billed Grebe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phalacrocorax brasilianus</i>	Neotropic Cormorant	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
<i>Anhinga anhinga</i>	Anhinga	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tigrisoma lineatum</i>	Rufescent Tiger-Heron	1	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	0	0	0	0	1
<i>Tigrisoma fasciatum</i>	Fasciated Tiger-Heron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Agamia agami</i>	Agami Heron	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cochlearius cochlearius</i>	Boat-billed Heron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nycticorax nycticorax</i>	Black-crowned Night-Heron	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Ixobrychus involucris</i>	Stripe-backed Bittern	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Butorides striatus</i>	Striated Heron	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Bubulcus ibis</i>	Cattle Egret	1	0	1	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ardea cocoi</i>	Cocoi Heron	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0
<i>Ardea alba</i>	Great Egret	1	1	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Syrigma sibilatrix</i>	Whistling Heron	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Pilherodius pileatus</i>	Capped Heron	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Egretta thula</i>	Snowy Egret	1	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Egretta caerulea</i>	Little Blue Heron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mesembrinibis cayennensis</i>	Green Ibis	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phimosus infuscatus</i>	Bare-faced Ibis	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Theristicus caerulescens</i>	Plumbeous Ibis	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Theristicus caudatus</i>	Buff-necked Ibis	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ajaia ajaja</i>	Roseate Spoonbill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ciconia maguari</i>	Maguari Stork	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Jabiru mycteria</i>	Jabiru	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mycteria americana</i>	Wood Stork	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cathartes aura</i>	Turkey Vulture	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	1
<i>Cathartes burrovianus</i>	Lesser Yellow-headed Vulture	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26
<i>Cathartes melambrotos</i>	Greater Yellow-headed Vulture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Coragyps atratus</i>	Black Vulture	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	1	1	1	0	0	
<i>Sarcoramphus papa</i>	King Vulture	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	
<i>Vultur gryphus</i>	Andean Condor	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	1	1	0	0	
<i>Pandion haliaetus</i>	Osprey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Leptodon cayanensis</i>	Gray-headed Kite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Elanoides forficatus</i>	Swallow-tailed Kite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	
<i>Gampsonyx swainsonii</i>	Pearl Kite	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Rostrhamus sociabilis</i>	Snail Kite	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	
<i>Harpagus bidentatus</i>	Double-toothed Kite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Ictinia plumbea</i>	Plumbeous Kite	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Circus cinereus</i>	Cinereous Harrier	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Circus buffoni</i>	Long-winged Harrier	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Accipiter striatus</i>	Sharp-shinned Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Accipiter bicolor</i>	Bicolored Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
<i>Geranospiza caerulescens</i>	Crane Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Leucopternis schistacea</i>	Slate-colored Hawk	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Leucopternis albicollis</i>	White Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Asturnina nitida</i>	Gray Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Buteogallus urubitinga</i>	Great Black Hawk	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	
<i>Buteogallus meridionalis</i>	Savanna Hawk	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Harpyhaliaeetus solitarius</i>	Solitary Eagle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
<i>Busarellus nigricollis</i>	Black-collared Hawk	1	1	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
<i>Geranoaetus melanoleucus</i>	Black-chested Buzzard-Eagle	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
<i>Parabuteo unicinctus</i>	Bay-winged Hawk	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Buteo magnirostris</i>	Roadside Hawk	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	1	
<i>Buteo platypterus</i>	Broad-winged Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Buteo brachyurus</i>	Short-tailed Hawk	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	
<i>Buteo albicaudatus</i>	White-tailed Hawk	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Buteo polyosoma</i>	Red-backed Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	
<i>Buteo poecilochrous</i>	Puna Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
<i>Harpia harpyja</i>	Harpy Eagle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
<i>Spizastur melanoleucus</i>	Black-and-white Hawk-Eagle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Spizaetus ornatus</i>	Ornate Hawk-Eagle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Oroaetus isidori</i>	Black-and-chestnut Eagle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Daptrius ater</i>	Black Caracara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Ibycter americanus</i>	Red-throated Caracara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Phalcoboenus megalopterus</i>	Mountain Caracara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	
<i>Caracara plancus</i>	Southern Caracara	1	0	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	

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<i>Milvago chimachima</i>	Yellow-headed Caracara	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Herpetotheres cachinnans</i>	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Micrastur ruficollis</i>	Barred Forest-Falcon	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Micrastur gilvicollis</i>	Lined Forest-Falcon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Micrastur mirandollei</i>	Slaty-backed Forest-Falcon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
<i>Micrastur semitorquatus</i>	Collared Forest-Falcon	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Falco sparverius</i>	American Kestrel	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
<i>Falco rufigularis</i>	Bat Falcon	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
<i>Falco femoralis</i>	Aplomado Falcon	0	1	1	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0
<i>Falco peregrinus</i>	Peregrine Falcon	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aramus guarauna</i>	Limpkin	1	1	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Psophia leucoptera</i>	Pale-winged Trumpeter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
<i>Aramides ypecaha</i>	Great Wood-Rail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Aramides cajanea</i>	Gray-necked Wood-Rail	0	1	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0
<i>Laterallus melanophaius</i>	Rufous-sided Crake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Porzana flavigaster</i>	Yellow-breasted Crake	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Porzana albicollis</i>	Ash-throated Crake	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Gallinula chloropus</i>	Common Moorhen	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Porphyrio martinica</i>	Purple Gallinule	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Heliornis fulica</i>	Sungrebe	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Eurypyga helias</i>	Sunbittern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
<i>Cariama cristata</i>	Red-legged Seriema	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chunga burmeisteri</i>	Black-legged Seriema	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Jacana jacana</i>	Wattled Jacana	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Himantopus mexicanus</i>	Black-necked Stilt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Vanellus cayanus</i>	Pied Lapwing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Vanellus chilensis</i>	Southern Lapwing	1	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Vanellus resplendens</i>	Andean Lapwing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Charadrius collaris</i>	Collared Plover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Gallinago andina</i>	Puna Snipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Tringa melanoleuca</i>	Greater Yellowlegs	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tringa flavipes</i>	Lesser Yellowlegs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tringa solitaria</i>	Solitary Sandpiper	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Actitis macularia</i>	Spotted Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Calidris fuscicollis</i>	White-rumped Sandpiper	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Calidris melanotos</i>	Pectoral Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Calidris himantopus</i>	Stilt Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Larus serranus</i>	Andean Gull	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Sterna superciliaris</i>	Yellow-billed Tern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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<i>Phaetusa simplex</i>	Large-billed Tern	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rynchops niger</i>	Black Skimmer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Columba speciosa</i>	Scaled Pigeon	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Columba picazuro</i>	Picazuro Pigeon	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Columba maculosa</i>	Spot-winged Pigeon	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1
<i>Columba fasciata</i>	Band-tailed Pigeon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Columba cayennensis</i>	Pale-vented Pigeon	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Columba plumbea</i>	Plumbeous Pigeon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
<i>Columba subvinacea</i>	Ruddy Pigeon	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1
<i>Zenaida auriculata</i>	Eared Dove	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Columbina minuta</i>	Plain-breasted Ground-Dove	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Columbina talpacoti</i>	Ruddy Ground-Dove	1	0	1	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Columbina picui</i>	Picui Ground-Dove	1	1	0	0	0	0	0	1	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Columbina squammata</i>	Scaled Ground-Dove	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Claravis pretiosa</i>	Blue Ground-Dove	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
<i>Metriopelia ceciliae</i>	Bare-faced Ground-Dove	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Metriopelia melanoptera</i>	Black-winged Ground-Dove	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
<i>Metriopelia aymara</i>	Golden-spotted Ground-Dove	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
<i>Leptotila verreauxi</i>	White-tipped Dove	0	1	1	1	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Leptotila megalura</i>	Large-tailed Dove	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
<i>Leptotila rufaxilla</i>	Gray-fronted Dove	1	1	1	0	0	0	0	0	0	1	0	1	1	0	0	0	1	1	0	0	0	0	1	1	1
<i>Geotrygon frenata</i>	White-throated Quail-Dove	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Geotrygon montana</i>	Ruddy Quail-Dove	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anodorhynchus hyacinthinus</i>	Hyacinth Macaw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ara ararauna</i>	Blue-and-yellow Macaw	0	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Ara militaris</i>	Military Macaw	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<i>Ara macao</i>	Scarlet Macaw	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
<i>Ara chloroptera</i>	Red-and-green Macaw	0	1	1	0	0	0	0	0	0	1	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0
<i>Ara auricollis</i>	Golden-collared Macaw	0	0	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0
<i>Ara severa</i>	Chestnut-fronted Macaw	1	1	1	0	0	1	1	0	0	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	1
<i>Orthopsittaca manilata</i>	Red-bellied Macaw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Diopsittaca nobilis</i>	Red-shouldered Macaw	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aratinga acuticaudata</i>	Blue-crowned Parakeet	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aratinga mitrata</i>	Mitred Parakeet	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0
<i>Aratinga leucophthalmus</i>	White-eyed Parakeet	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Aratinga weddellii</i>	Dusky-headed Parakeet	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aratinga aurea</i>	Peach-fronted Parakeet	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nandayus nenday</i>	Black-hooded Parakeet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pyrrhura molinae</i>	Green-cheeked Parakeet	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26
<i>Pyrrhura picta</i>	Painted Parakeet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Pyrrhura rupicola</i>	Black-capped Parakeet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myiopsitta monachus</i>	Monk Parakeet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Psilopsiagon aymara</i>	Gray-hooded Parakeet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
<i>Psilopsiagon aurifrons</i>	Mountain Parakeet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Bolborhynchus lineola</i>	Barred Parakeet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Forpus xanthopterygius</i>	Blue-winged Parrotlet	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Brotogeris chiriri</i>	Yellow-chevroned Parakeet	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Brotogeris cyanoptera</i>	Cobalt-winged Parakeet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Brotogeris sanctithomae</i>	Tui Parakeet	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nannopsittaca dachilleae</i>	Amazonian Parrotlet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Touit huetii</i>	Scarlet-shouldered Parrotlet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pionites leucogaster</i>	White-bellied Parrot	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
<i>Pionus menstruus</i>	Blue-headed Parrot	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	1	1
<i>Pionus sordidus</i>	Red-billed Parrot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Pionus maximiliani</i>	Scaly-headed Parrot	0	0	0	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	1
<i>Amazona tucumana</i>	Tucuman Parrot	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Amazona aestiva</i>	Blue-fronted Parrot	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Amazona ochrocephala</i>	Yellow-crowned Parrot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Amazona amazonica</i>	Orange-winged Parrot	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1
<i>Amazona mercenaria</i>	Scaly-naped Parrot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Amazona farinosa</i>	Mealy Parrot	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
<i>Opisthocomus hoazin</i>	Hoatzin	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coccyczus cinereus</i>	Ash-colored Cuckoo	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coccyczus erythrophthalmus</i>	Black-billed Cuckoo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coccyczus americanus</i>	Yellow-billed Cuckoo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coccyczus melacoryphus</i>	Dark-billed Cuckoo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Piaya cayana</i>	Squirrel Cuckoo	0	1	0	1	1	1	0	1	1	1	0	0	1	0	0	0	0	1	1	1	1	1	0	1	1
<i>Crotophaga major</i>	Greater Ani	0	1	0	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Crotophaga ani</i>	Smooth-billed Ani	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Guira guira</i>	Guira Cuckoo	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tapera naevia</i>	Striped Cuckoo	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dromococcyx phasianellus</i>	Pheasant Cuckoo	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dromococcyx pavoninus</i>	Pavonine Cuckoo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Tyto alba</i>	Barn Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Otus choliba</i>	Tropical Screech-Owl	0	1	1	1	1	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Otus ingens</i>	Rufescent Screech-Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Otus watsonii</i>	Tawny-bellied Screech-Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0
<i>Otus hoyi</i>	Montane Forest Screech-Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26	
<i>Lophostrix cristata</i>	Crested Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Pulsatrix perspicillata</i>	Spectacled Owl	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	
<i>Pulsatrix melanota</i>	Band-bellied Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
<i>Bubo virginianus</i>	Great Horned Owl	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Ciccaba huhula</i>	Black-banded Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Glaucidium boliviense</i>	Yungas Pygmy-Owl	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	0	0	
<i>Glaucidium parkeri</i>	Subtropical Pygmy-Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Glaucidium hardyi</i>	Amazonian Pygmy-Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Glaucidium brasiliense</i>	Ferruginous Pygmy-Owl	0	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	
<i>Athene cunicularia</i>	Burrowing Owl	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Asio stygius</i>	Stygian Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Nyctibius grandis</i>	Great Potoo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
<i>Nyctibius aethereus</i>	Long-tailed Potoo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Nyctibius griseus</i>	Common Potoo	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Lurocalis semitorquatus</i>	Semicollared Nighthawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Lurocalis rufiventer</i>	Rufous-bellied Nighthawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Nyctiprogne leucopyga</i>	Band-tailed Nighthawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Podager nacunda</i>	Nacunda Nighthawk	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Nyctidromus albicollis</i>	Parauque	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
<i>Nyctiphrynus ocellatus</i>	Ocellated Poorwill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
<i>Caprimulgus rufus</i>	Rufous Nightjar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Hydropsalis climacocerca</i>	Ladder-tailed Nightjar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hydropsalis torquata</i>	Scissor-tailed Nightjar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Uropsalis segmentata</i>	Swallow-tailed Nightjar	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Uropsalis lyra</i>	Lyre-tailed Nightjar	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Cypseloides niger</i>	Rothschild's Swift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Streptoprocne rutila</i>	Chestnut-collared Swift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Streptoprocne zonaris</i>	White-collared Swift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Chaetura cinereiventris</i>	Gray-rumped Swift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Chaetura meridionalis</i>	Sick's Swift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chaetura brachyura</i>	Short-tailed Swift	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Aeronautes montivagus</i>	White-tipped Swift	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Aeronautes andecolus</i>	Andean Swift	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
<i>Tachornis squamata</i>	Fork-tailed Palm-Swift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Phaethornis ruber</i>	Reddish Hermit	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1	
<i>Phaethornis stuarti</i>	White-browed Hermit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Phaethornis subochraceus</i>	Buff-bellied Hermit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Phaethornis pretrei</i>	Planalto Hermit	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	
<i>Phaethornis hispidus</i>	White-bearded Hermit	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26
<i>Phaethornis philippii</i>	Needle-billed Hermit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phaethornis malaris</i>	Great-billed Hermit	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1
<i>Doryfera ludovicae</i>	Green-fronted Lancebill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Campylopterus largipennis</i>	Gray-breasted Sabrewing	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Eupetomena macroura</i>	Swallow-tailed Hummingbird	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Florisuga mellivora</i>	White-necked Jacobin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Colibri thalassinus</i>	Green Violet-ear	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Colibri coruscans</i>	Sparkling Violet-ear	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
<i>Colibri serrirostris</i>	White-vented Violet-ear	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anthracothorax nigricollis</i>	Black-throated Mango	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Klais guimeti</i>	Violet-headed Hummingbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lophornis delattrei</i>	Rufous-crested Coquette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chlorostilbon mellisugus</i>	Blue-tailed Emerald	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chlorostilbon aureoventris</i>	Glittering-bellied Emerald	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
<i>Thalurania furcata</i>	Fork-tailed Woodnymph	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
<i>Hylocharis cyanus</i>	White-chinned Sapphire	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hylocharis chrysura</i>	Gilded Hummingbird	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chrysuronia oenone</i>	Golden-tailed Sapphire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Polymix guainumbi</i>	White-tailed Goldenthroat	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Amazilia chionogaster</i>	White-bellied Hummingbird	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1
<i>Amazilia fimbriata</i>	Glittering-throated Emerald	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Adelomyia melanogenys</i>	Speckled Hummingbird	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
<i>Heliodoxa aurescens</i>	Gould's Jewelfront	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Heliodoxa leadbeateri</i>	Violet-fronted Brilliant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aglaeactis pamela</i>	Black-hooded Sunbeam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Oreotrochilus estella</i>	Andean Hillstar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Oreotrochilus leucopleurus</i>	White-sided Hillstar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Oreotrochilus adela</i>	Wedge-tailed Hillstar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coeligena coeligena</i>	Bronzy Inca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Pterophanes cyanopterus</i>	Great Sapphirewing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Patagona gigas</i>	Giant Hummingbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
<i>Eriocnemis glaucoptoides</i>	Blue-capped Puffleg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Ocreatus underwoodii</i>	Booted Racquet-tail	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sappho sparganura</i>	Red-tailed Comet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
<i>Metallura aeneocauda</i>	Scaled Metaltail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Heliothryx aurita</i>	Black-eared Fairy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Microstilbon burmeisteri</i>	Slender-tailed Woodstar	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chaetocercus mulsant</i>	White-bellied Woodstar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Trogon viridis</i>	White-tailed Trogon	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26
<i>Trogon curucui</i>	Blue-crowned Trogan	0	1	1	0	1	1	1	1	0	0	1	1	0	0	0	0	1	1	1	1	1	0	1	1	
<i>Trogon violaceus</i>	Violaceous Trogon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Trogon collaris</i>	Collared Trogon	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	
<i>Trogon rufus</i>	Black-throated Trogon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Trogon melanurus</i>	Black-tailed Trogon	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0	0	0	0	1	
<i>Pharomachrus pavoninus</i>	Pavonine Quetzal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Pharomachrus antisianus</i>	Crested Quetzal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Ceryle torquata</i>	Ringed Kingfisher	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	
<i>Chloroceryle amazona</i>	Amazon Kingfisher	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	
<i>Chloroceryle americana</i>	Green Kingfisher	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	
<i>Chloroceryle indica</i>	Green-and-rufous Kingfisher	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	
<i>Chloroceryle aenea</i>	American Pygmy-Kingfisher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Electron platyrhynchum</i>	Broad-billed Motmot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Baryphthengus martii</i>	Rufous Motmot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Momotus momota</i>	Blue-crowned Motmot	0	1	0	0	1	0	1	1	0	1	0	0	1	0	0	0	0	1	1	1	0	0	0	1	
<i>Galbulia ruficauda</i>	Rufous-tailed Jacamar	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	
<i>Galbulia cyanescens</i>	Bluish-fronted Jacamar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Galbulia dea</i>	Paradise Jacamar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Jacamerops aureus</i>	Great Jacamar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Notharchus macrorhynchos</i>	White-necked Puffbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Bucco tamatia</i>	Spotted Puffbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Nystalus striolatus</i>	Striolated Puffbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Nystalus chacuru</i>	White-eared Puffbird	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Nystalus maculatus</i>	Spot-backed Puffbird	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Malacoptila semicincta</i>	Semicollared Puffbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
<i>Malacoptila rufa</i>	Rufous-necked Puffbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Monasa nigrifrons</i>	Black-fronted Nunbird	0	1	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
<i>Monasa morphoeus</i>	White-fronted Nunbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	
<i>Monasa flavirostris</i>	Yellow-billed Nunbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Chelidoptera tenebrosa</i>	Swallow-winged Puffbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Capito dayi</i>	Black-girdled Barbet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Capito auratus</i>	Gilded Barbet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
<i>Eubucco versicolor</i>	Versicolored Barbet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Aulacorhynchus prasinus</i>	Emerald Toucanet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
<i>Aulacorhynchus derbianus</i>	Chestnut-tipped Toucanet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Aulacorhynchus coeruleicinctus</i>	Blue-banded Toucanet	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Pteroglossus inscriptus</i>	Lettered Aracari	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Pteroglossus azara</i>	Ivory-billed Aracari	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
<i>Pteroglossus castanotis</i>	Chestnut-eared Aracari	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	

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<i>Pteroglossus beauharnaesii</i>	Curl-crested Aracari	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Selenidera reinwardtii</i>	Golden-collared Toucanet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
<i>Ramphastos vitellinus</i>	Channel-billed Toucan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	
<i>Ramphastos toco</i>	Toco Toucan	0	1	1	1	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	
<i>Ramphastos tucanus</i>	White-throated Toucan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	
<i>Picumnus aurifrons</i>	Bar-breasted Piculet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
<i>Picumnus cirratus</i>	White-barred Piculet	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	
<i>Picumnus dorsignyanus</i>	Ocellated Piculet	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Picumnus albosquamatus</i>	White-wedged Piculet	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Melanerpes candidus</i>	White Woodpecker	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Melanerpes cruentatus</i>	Yellow-tufted Woodpecker	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	
<i>Picoides lignarius</i>	Striped Woodpecker	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Veniliornis nigriceps</i>	Bar-bellied Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Veniliornis fumigatus</i>	Smoky-brown Woodpecker	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	
<i>Veniliornis passerinus</i>	Little Woodpecker	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Veniliornis frontalis</i>	Dot-fronted Woodpecker	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	
<i>Veniliornis affinis</i>	Red-stained Woodpecker	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	
<i>Piculus leucocephalus</i>	White-throated Woodpecker	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
<i>Piculus chrysochloros</i>	Golden-green Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Piculus rubiginosus</i>	Golden-olive Woodpecker	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	
<i>Colaptes melanochloros</i>	Green-barred Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Colaptes rupicola</i>	Andean Flicker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	
<i>Colaptes campestris</i>	Campo Flicker	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Celeus grammicus</i>	Scale-breasted Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Celeus elegans</i>	Chestnut Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Celeus lugubris</i>	Pale-crested Woodpecker	0	1	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
<i>Celeus flavus</i>	Cream-colored Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
<i>Celeus torquatus</i>	Ringed Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
<i>Dryocopus lineatus</i>	Lineated Woodpecker	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	1	1	0	0	0	0	1	
<i>Campetherus rubricollis</i>	Red-necked Woodpecker	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	
<i>Campetherus melanoleucus</i>	Crimson-crested Woodpecker	0	1	1	1	1	1	0	1	1	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	
<i>Campetherus leucopogon</i>	Cream-backed Woodpecker	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	
<i>Dendrocina tyrannina</i>	Tyrannine Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
<i>Dendrocina fuliginosa</i>	Plain-brown Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	
<i>Deconychura longicauda</i>	Long-tailed Woodcreeper	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	
<i>Sittasomus griseicapillus</i>	Olivaceous Woodcreeper	0	1	1	0	1	1	1	1	1	0	0	1	0	0	0	0	0	1	1	1	1	0	1	1	
<i>Glyphorhynchus spirurus</i>	Wedge-billed Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Nasica longirostris</i>	Long-billed Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Dendrexetastes rufigula</i>	Cinnamon-throated Woodcreeper	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26
<i>Hylexetastes stresemanni</i>	Bar-bellied Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Xiphocolaptes promeropirhynchus</i>	Strong-billed Woodcreeper	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
<i>Xiphocolaptes major</i>	Great Rufous Woodcreeper	0	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0
<i>Dendrocolaptes certhia</i>	Amazonian Barred-Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Dendrocolaptes picumnus</i>	Black-banded Woodcreeper	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0
<i>Xiphorhynchus picus</i>	Straight-billed Woodcreeper	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Xiphorhynchus ocellatus</i>	Ocellated Woodcreeper	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
<i>Xiphorhynchus elegans</i>	Elegant Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Xiphorhynchus spixii</i>	Spix's Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
<i>Xiphorhynchus guttatus</i>	Buff-throated Woodcreeper	0	1	0	0	1	1	1	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1
<i>Xiphorhynchus triangularis</i>	Olive-backed Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lepidocolaptes angustirostris</i>	Narrow-billed Woodcreeper	0	1	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
<i>Lepidocolaptes albolineatus</i>	Lineated Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Campylorhamphus trochilirostris</i>	Red-billed Scythebill	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<i>Geositta cunicularia</i>	Common Miner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Geositta rufipennis</i>	Rufous-banded Miner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Upucerthia andaecola</i>	Rock Earthcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
<i>Cinclodes aricomae</i>	Royal Cinclodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Cinclodes fuscus</i>	Bar-winged Cinclodes	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0
<i>Cinclodes atacamensis</i>	White-winged Cinclodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Furnarius rufus</i>	Rufous Hornero	1	1	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Furnarius cristatus</i>	Crested Hornero	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Leptasthenura fuliginiceps</i>	Brown-capped Tit-Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
<i>Leptasthenura yanacensis</i>	Tawny Tit-Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0
<i>Leptasthenura aegithaloides</i>	Plain-mantled Tit-Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Schoeniophylax phryganophilus</i>	Chotoy Spinetail	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Synallaxis frontalis</i>	Sooty-fronted Spinetail	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
<i>Synallaxis azarae</i>	Azara's Spinetail	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
<i>Synallaxis albescens</i>	Pale-breasted Spinetail	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Synallaxis rutilans</i>	Ruddy Spinetail	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Synallaxis cabanisi</i>	Cabanis's Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Synallaxis gujanensis</i>	Plain-crowned Spinetail	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
<i>Synallaxis scutata</i>	Ochre-cheeked Spinetail	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
<i>Cranioleuca albiceps</i>	Light-crowned Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
<i>Cranioleuca vulpina</i>	Rusty-backed Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Cranioleuca pyrrhophia</i>	Stripe-crowned Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
<i>Cranioleuca curtata</i>	Ash-browed Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Certhiaxis cinnamomea</i>	Yellow-throated Spinetail	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26
<i>Asthenes baeri</i>	Short-billed Canastero	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Asthenes heterura</i>	Maquis Canastero	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Asthenes modesta</i>	Cordilleran Canastero	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
<i>Asthenes humilis</i>	Streak-throated Canastero	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
<i>Asthenes dorbigyni</i>	Rusty-vented Canastero	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
<i>Phacellodomus rufifrons</i>	Rufous-fronted Thornbird	1	1	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phacellodomus striaticeps</i>	Streak-fronted Thornbird	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
<i>Phacellodomus ruber</i>	Greater Thornbird	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coryphistera alaudina</i>	Lark-like Brushrunner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Premnoplex brunneascens</i>	Spotted Barbtail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudoseisura unirufa</i>	Rufous Cacholote	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudoseisura lophotes</i>	Brown Cacholote	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anabacerthia striaticollis</i>	Montane Foliage-gleaner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Syndactyla rufosuperciliata</i>	Buff-browed Foliage-gleaner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
<i>Simoxenops striatus</i>	Bolivian Recurvebill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Ancistrops strigilatus</i>	Chestnut-winged Hookbill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Philydor ruficaudatum</i>	Rufous-tailed Foliage-gleaner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Philydor erythrocerum</i>	Rufous-rumped Foliage-gleaner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
<i>Philydor rufum</i>	Buff-fronted Foliage-gleaner	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1
<i>Philydor pyrrhodes</i>	Cinnamon-rumped Foliage-gleaner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anabazenops dorsalis</i>	Dusky-cheeked Foliage-gleaner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Thripadectes holostictus</i>	Striped Treehunter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Automolus ochrolaemus</i>	Buff-throated Foliage-gleaner	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	1
<i>Automolus infuscatus</i>	Olive-backed Foliage-gleaner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sclerurus mexicanus</i>	Tawny-throated Leaftossler	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sclerurus caudacutus</i>	Black-tailed Leafscraper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sclerurus albicularis</i>	Gray-throated Leaftossler	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
<i>Lochmias nematura</i>	Sharp-tailed Streamcreeper	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0
<i>Xenops minutus</i>	Plain Xenops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
<i>Xenops rutilans</i>	Streaked Xenops	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	1
<i>Cymbilaimus lineatus</i>	Fasciated Antshrike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
<i>Batara cinerea</i>	Giant Antshrike	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
<i>Taraba major</i>	Great Antshrike	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0
<i>Thamnophilus doliatus</i>	Barred Antshrike	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0
<i>Thamnophilus palliatus</i>	Chestnut-backed Antshrike	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
<i>Thamnophilus aethiops</i>	White-shouldered Antshrike	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	0	0	0	1	0
<i>Thamnophilus schistaceus</i>	Plain-winged Antshrike	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
<i>Thamnophilus aroyae</i>	Upland Antshrike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
<i>Thamnophilus sticturus</i>	Bolivian Slaty-Antshrike	0	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0

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<i>Thamnophilus amazonicus</i>	Amazonian Antshrike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thamnophilus caerulescens</i>	Variable Antshrike	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0
<i>Thamnophilus ruficapillus</i>	Rufous-capped Antshrike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dysithamnus mentalis</i>	Plain Antvireo	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
<i>Thamnomanes schistogynus</i>	Bluish-slate Antshrike	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
<i>Pygiptila stellaris</i>	Spot-winged Antshrike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmotherula leucophthalma</i>	White-eyed Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Myrmotherula haematonota</i>	Stipple-throated Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmotherula ornata</i>	Ornate Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmotherula brachyura</i>	Pygmy Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
<i>Myrmotherula multostriata</i>	Amazonian Streaked-Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Myrmotherula longicauda</i>	Stripe-chested Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Myrmotherula hauxwelli</i>	Plain-throated Antwren	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmotherula axillaris</i>	White-flanked Antwren	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Myrmotherula longipennis</i>	Long-winged Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmotherula grisea</i>	Yungas Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmotherula menetriesii</i>	Gray Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Dichrozonax cincta</i>	Banded Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Myrmorchilus strigilatus</i>	Stripe-backed Antbird	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Herpsilochmus atricapillus</i>	Black-capped Antwren	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
<i>Herpsilochmus longirostris</i>	Large-billed Antwren	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Herpsilochmus rufimarginatus</i>	Rufous-winged Antwren	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
<i>Microrhopias quixensis</i>	Dot-winged Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
<i>Formicivora grisea</i>	White-fringed Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Formicivora rufa</i>	Rusty-backed Antwren	0	1	1	1	1	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Drymophila devillei</i>	Striated Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Cercomacra cinerascens</i>	Gray Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
<i>Cercomacra nigrescens</i>	Blackish Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Cercomacra serva</i>	Black Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
<i>Cercomacra melanaria</i>	Mato Grosso Antbird	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pyriglenaleuconota</i>	White-backed Fire-eye	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmoborus leucophrys</i>	White-browed Antbird	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1
<i>Myrmoborus myotherinus</i>	Black-faced Antbird	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0	0	0	0	1	1
<i>Hypocnemis cantator</i>	Warbling Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
<i>Hypocnemoides maculicauda</i>	Band-tailed Antbird	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sclateria naevia</i>	Silvered Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Percnostola leucostigma</i>	Spot-winged Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmeciza hemimelaena</i>	Chestnut-tailed Antbird	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
<i>Myrmeciza atrothorax</i>	Black-throated Antbird	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26
<i>Myrmeciza goeldii</i>	Goeldi's Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Myrmeciza hyperythra</i>	Plumbeous Antbird	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmeciza fortis</i>	Sooty Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
<i>Gymnopithys salvini</i>	White-throated Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rhegmatorhina melanosticta</i>	Hairy-crested Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Hylophylax naevia</i>	Spot-backed Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
<i>Hylophylax poecilinota</i>	Scale-backed Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Phlegopsis nigromaculata</i>	Black-spotted Bare-eye	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Formicarius colma</i>	Rufous-capped Antthrush	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Formicarius analis</i>	Black-faced Antthrush	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
<i>Chamaezza campanisona</i>	Short-tailed Antthrush	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Grallaria guatimalensis</i>	Scaled Antpitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Grallaria albicula</i>	White-throated Antpitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Myrmothera campanisona</i>	Thrush-like Antpitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Conopophaga ardesiaca</i>	Slaty Gnatcatcher	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Scytalopus boliviensis</i>	Bolivian Tapaculo	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Scytalopus simonsi</i>	Puna Tapaculo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
<i>Scytalopus zimmeri</i>	Zimmer's Tapaculo	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Melanopareia torquata</i>	Collared Crescent-chest	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phyllomyias burmeisteri</i>	Rough-legged Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Phyllomyias sclateri</i>	Sclater's Tyrannulet	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
<i>Phyllomyias sp. nov.</i>	Undescribed species	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Myiopagis gaimardi</i>	Forest Elaenia	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0	0	0	0	1	1
<i>Myiopagis caniceps</i>	Gray Elaenia	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
<i>Myiopagis viridicata</i>	Greenish Elaenia	0	0	1	1	1	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia flavogaster</i>	Yellow-bellied Elaenia	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia spectabilis</i>	Large Elaenia	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia albiceps</i>	White-crested Elaenia	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Elaenia parvirostris</i>	Small-billed Elaenia	0	0	0	1	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Elaenia strepera</i>	Slaty Elaenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia gigas</i>	Mottle-backed Elaenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Elaenia pelzelni</i>	Brownish Elaenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia cristata</i>	Plain-crested Elaenia	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia chiriquensis</i>	Lesser Elaenia	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia obscura</i>	Highland Elaenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
<i>Ornithion inerme</i>	White-lored Tyrannulet	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Campstostoma obsoletum</i>	Southern Beardless-Tyrannulet	0	0	0	1	0	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Suiriri suiriri</i>	Suiriri Flycatcher	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mecocerculus hellmayri</i>	Buff-banded Tyrannulet	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0

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<i>Mecocerculus leucophrys</i>	White-throated Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	
<i>Anairetes flavirostris</i>	Yellow-billed Tit-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Anairetes parulus</i>	Tufted Tit-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	
<i>Serpophaga cinerea</i>	Torrent Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Serpophaga subcristata</i>	White-crested Tyrannulet	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	
<i>Serpophaga munda</i>	White-bellied Tyrannulet	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	
<i>Serpophaga (?) sp. nov.</i>	Undescribed species	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Phaeomyias murina</i>	Mouse-colored Tyrannulet	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Capsiempis flaveola</i>	Yellow Tyrannulet	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Pseudocolopteryx sclateri</i>	Crested Doradito	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Pseudocolopteryx flaviventris</i>	Warbling Doradito	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Pseudotriccus simplex</i>	Hazel-fronted Pygmy-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Corythopis torquata</i>	Ringed Antpitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
<i>Corythopis delalandi</i>	Southern Antpitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	
<i>Euscarthmus meloryphus</i>	Tawny-crowned Pygmy-Tyrant	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Stigmatura budytoides</i>	Greater Wagtail-Tyrant	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Zimmerius bolivianus</i>	Bolivian Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Zimmerius gracilipes</i>	Slender-footed Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Phylloscartes ophthalmicus</i>	Marble-faced Bristle-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Phylloscartes orbitalis</i>	Spectacled Bristle-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Phylloscartes ventralis</i>	Mottle-cheeked Tyrannulet	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	
<i>Phylloscartes parkeri</i>	Cinnamon-faced Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Mionectes striaticollis</i>	Streak-necked Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
<i>Mionectes oleagineus</i>	Ochre-bellied Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
<i>Mionectes macconnelli</i>	McConnell's Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	
<i>Leptopogon amaurocephalus</i>	Sepia-capped Flycatcher	0	0	0	0	0	1	0	1	0	1	0	1	1	0	0	0	0	1	0	1	1	0	0	1	
<i>Leptopogon superciliaris</i>	Slaty-capped Flycatcher	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Sublegatus modestus</i>	Southern Scrub-Flycatcher	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Inezia inornata</i>	Plain Tyrannulet	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Myiornis albiventris</i>	White-bellied Pygmy-Tyrant	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	
<i>Myiornis ecaudatus</i>	Short-tailed Pygmy-Tyrant	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Lophotriccus eupholotes</i>	Long-crested Pygmy-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Hemitriccus spodiops</i>	Yungas Tody-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Hemitriccus flammulatus</i>	Flammulated Tody-Tyrant	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Hemitriccus griseipectus</i>	White-bellied Tody-Tyrant	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	
<i>Hemitriccus iohannis</i>	Johannes's Tody-Tyrant	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Hemitriccus margaritaceiventer</i>	Pearly-vented Tody-Tyrant	0	1	1	0	1	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	
<i>Hemitriccus rufigularis</i>	Buff-throated Tody-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Poecilotriccus plumbeiceps</i>	Ochre-faced Tody-Flycatcher	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	

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<i>Poecilotriccus latirostris</i>	Rusty-fronted Tody-Flycatcher	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Todirostrum cinereum</i>	Common Tody-Flycatcher	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Todirostrum chrysocrotaphum</i>	Yellow-browed Tody-Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Rhynchocyclus olivaceus</i>	Olivaceous Flatbill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Tolmomyias sulphurescens</i>	Yellow-olive Flycatcher	0	0	0	0	1	1	0	1	1	0	1	1	1	0	0	0	0	0	0	1	1	1	0	0	1
<i>Tolmomyias assimilis</i>	Yellow-margined Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Tolmomyias poliocephalus</i>	Gray-crowned Flycatcher	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Platyrinchus coronatus</i>	Golden-crowned Spadebill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Platyrinchus platyrhynchos</i>	White-crested Spadebill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Onychorhynchus coronatus</i>	Royal Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myiophobus inornatus</i>	Unadorned Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myiophobus fasciatus</i>	Bran-colored Flycatcher	0	1	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Terenotriccus erythrurus</i>	Ruddy-tailed Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Neopipo cinnamomea</i>	Cinnamon Tyrant-Manakin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Pyrrhomystis cinnamomea</i>	Cinnamon Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hirundinea ferruginea</i>	Cliff Flycatcher	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Lathrotriccus euleri</i>	Euler's Flycatcher	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1
<i>Cnemotriccus fuscatus</i>	Fuscous Flycatcher	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contopus fumigatus</i>	Smoke-colored Pewee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0
<i>Contopus sordidulus</i>	Western Wood-Pewee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contopus virens</i>	Eastern Wood-Pewee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sayornis nigricans</i>	Black Phoebe	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	
<i>Pyrocephalus rubinus</i>	Vermilion Flycatcher	0	1	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Knipolegus hudsoni</i>	Hudson's Black-Tyrant	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Knipolegus signatus</i>	Andean Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
<i>Knipolegus aterrimus</i>	White-winged Black-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0
<i>Hymenops perspicillatus</i>	Spectacled Tyrant	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ochthornis littoralis</i>	Drab Water-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Satrapa icterophrys</i>	Yellow-browed Tyrant	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	1	
<i>Muscisaxicola fluvialis</i>	Little Ground-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Muscisaxicola maculirostris</i>	Spot-billed Ground-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Muscisaxicola cinerea</i>	Cinereous Ground-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
<i>Muscisaxicola rufivertex</i>	Rufous-naped Ground-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Agriornis montana</i>	Black-billed Shrike-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Xolmis cinerea</i>	Gray Monjita	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Xolmis velata</i>	White-rumped Monjita	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Xolmis irupero</i>	White Monjita	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myiotheretes straticollis</i>	Streak-throated Bush-Tyrant	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Polioxolmis rufipennis</i>	Rufous-webbed Bush-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26		
<i>Fluvicola albiventer</i>	Black-backed Water-Tyrant	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Arundinicola leucocephala</i>	White-headed Marsh-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
<i>Ochthoeca oenanthoides</i>	D'Orbigny's Chat-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0		
<i>Ochthoeca leucophrys</i>	White-browed Chat-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0		
<i>Colonia colonus</i>	Long-tailed Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Machetornis rixosus</i>	Cattle Tyrant	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Legatus leucophaius</i>	Piratic Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	
<i>Myiozetetes cayanensis</i>	Rusty-margined Flycatcher	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Myiozetetes similis</i>	Social Flycatcher	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Myiozetetes luteiventris</i>	Dusky-chested Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Pitangus sulphuratus</i>	Great Kiskadee	1	1	1	1	0	0	1	0	1	1	1	1	1	0	0	0	0	1	0	1	1	1	0	0	1		
<i>Pitangus lictor</i>	Lesser Kiskadee	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Myiodynastes chrysocephalus</i>	Golden-crowned Flycatcher	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Myiodynastes luteiventris</i>	Sulphur-bellied Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Myiodynastes maculatus</i>	Streaked Flycatcher	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
<i>Megarynchus pitangua</i>	Boat-billed Flycatcher	0	1	1	1	1	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Tyrannopsis sulphurea</i>	Sulphury Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Empidonax varius</i>	Variegated Flycatcher	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Empidonax</i>																												
<i>aurantioatrocristatus</i>	Crowned Slaty-Flycatcher	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Tyrannus albogularis</i>	White-throated Kingbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0		
<i>Tyrannus melancholicus</i>	Tropical Kingbird	0	1	1	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
<i>Tyrannus savana</i>	Fork-tailed Flycatcher	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Tyrannus tyrannus</i>	Eastern Kingbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Rhytipterna simplex</i>	Grayish Mourner	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	
<i>Sirystes sibilator</i>	Sirystes	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
<i>Casiornis rufa</i>	Rufous Casiornis	0	0	1	0	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Myiarchus tuberculifer</i>	Dusky-capped Flycatcher	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	1	1	1	1	0	1	1	1		
<i>Myiarchus swainsoni</i>	Swainson's Flycatcher	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
<i>Myiarchus ferox</i>	Short-crested Flycatcher	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Myiarchus cephalotes</i>	Pale-edged Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myiarchus tyrannulus</i>	Brown-crested Flycatcher	0	0	1	1	1	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0
<i>Ramphotrigon megacephala</i>	Large-headed Flatbill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Ramphotrigon ruficauda</i>	Rufous-tailed Flatbill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Attila cinnamomeus</i>	Cinnamon Attila	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Attila bolivianus</i>	Dull-capped Attila	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Attila spadiceus</i>	Bright-rumped Attila	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	
<i>Tityra inquisitor</i>	Black-crowned Tityra	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tityra cayana</i>	Black-tailed Tityra	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26	
<i>Tityra semifasciata</i>	Masked Tityra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Schiffornis major</i>	Varzea Schiffornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Schiffornis turdinus</i>	Thrush-like Schiffornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
<i>Laniocera hypopyrrha</i>	Cinereous Mourner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
<i>Iodopleura isabellae</i>	White-browed Purpletuft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Xenopsis albiniucha</i>	White-naped Xenopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pachyramphus viridis</i>	Green-backed Becard	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Pachyramphus castaneus</i>	Chestnut-crowned Becard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pachyramphus polychopterus</i>	White-winged Becard	0	0	1	1	1	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pachyramphus marginatus</i>	Black-capped Becard	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pachyramphus minor</i>	Pink-throated Becard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Pachyramphus validus</i>	Crested Becard	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ampelion rubrocristatus</i>	Red-crested Cotinga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
<i>Phytotoma rutila</i>	White-tipped Plantcutter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Pipreola frontalis</i>	Scarlet-breasted Fruiteater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Oxyruncus cristatus</i>	Sharpbill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rupicola peruviana</i>	Andean Cock-of-the-Rock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cotinga cayana</i>	Spangled Cotinga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lipaugs vociferans</i>	Screaming Piha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0
<i>Conioptilon mcilhennyi</i>	Black-faced Cotinga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Gymnoderus foetidus</i>	Bare-necked Fruitcrow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Querula purpurata</i>	Purple-throated Fruitcrow	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Cephalopterus ornatus</i>	Amazonian Umbrellabird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Neopelma sulphureiventer</i>	Sulphur-bellied Tyrant-Manakin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tyranneteutes stolzmanni</i>	Dwarf Tyrant-Manakin	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0
<i>Machaeropterus pyrocephalus</i>	Fiery-capped Manakin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lepidothrix coronata</i>	Blue-crowned Manakin	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
<i>Chiroxiphia pareola</i>	Blue-backed Manakin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chiroxiphia boliviiana</i>	Yungas Manakin	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pipra fasciicauda</i>	Band-tailed Manakin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pipra chloromeros</i>	Round-tailed Manakin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0
<i>Pipra rubrocapilla</i>	Red-headed Manakin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Piprites chloris</i>	Wing-barred Piprites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
<i>Cyclarhis gujanensis</i>	Rufous-browed Peppershrike	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1
<i>Vireolanius leucotis</i>	Slaty-capped Shrike-Vireo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1
<i>Vireo leucophrys</i>	Brown-capped Vireo	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Vireo olivaceus</i>	Red-eyed Vireo	0	1	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hylophilus thoracicus</i>	Lemon-chested Greenlet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hylophilus pectoralis</i>	Ashy-headed Greenlet	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26	
<i>Hylophilus hypoxanthus</i>	Dusky-capped Greenlet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
<i>Hylophilus ochraceiceps</i>	Tawny-crowned Greenlet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	
<i>Cyanolyca viridicyana</i>	White-collared Jay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Cyanocorax violaceus</i>	Violaceous Jay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
<i>gymnoderus foetidus</i>	Purplish Jay	0	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	1	1	1	0	1	1	
<i>Cyanocorax chrysops</i>	Plush-crested Jay	0	1	1	0	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	1	1	1	0	0	0	
<i>Cyanocorax yncas</i>	Green Jay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Tachycineta albiventer</i>	White-winged Swallow	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
<i>Tachycineta leucorrhoa</i>	White-rumped Swallow	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Tachycineta meyeni</i>	Chilean Swallow	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Progne tapera</i>	Brown-chested Martin	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Progne chalybea</i>	Gray-breasted Martin	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Haplochelidon andecola</i>	Andean Swallow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
<i>Pygochelidon cyanoleuca</i>	Blue-and-white Swallow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	
<i>Atticora fasciata</i>	White-banded Swallow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
<i>Stelgidopteryx ruficollis</i>	Southern Rough-winged Swallow	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	1	
<i>Riparia riparia</i>	Bank Swallow	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Hirundo rustica</i>	Barn Swallow	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Petrochelidon pyrrhonota</i>	Cliff Swallow	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Campylorhynchus turdinus</i>	Thrush-like Wren	0	1	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Thryothorus genibarbis</i>	Moustached Wren	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	
<i>Thryothorus leucotis</i>	Buff-breasted Wren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Thryothorus guarayanus</i>	Fawn-breasted Wren	0	1	0	0	1	0	1	1	0	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	
<i>Troglodytes aedon</i>	House Wren	0	1	1	1	0	0	0	1	1	0	1	0	0	0	1	0	1	0	0	1	1	1	0	1	0	
<i>Troglodytes solstitialis</i>	Mountain Wren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	
<i>Henicorhina leucophrys</i>	Gray-breasted Wood-Wren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Microcerclus marginatus</i>	Scaly-breasted Wren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	
<i>Cyphorhinus arada</i>	Musician Wren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
<i>Donacobius atricapilla</i>	Black-capped Donacobius	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Microbates cinereiventris</i>	Half-collared Gnatwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
<i>Ramphocaenus melanurus</i>	Long-billed Gnatwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	
<i>Polioptila dumicola</i>	Masked Gnatcatcher	0	0	1	1	1	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Cinclus schulzi</i>	Rufous-throated Dipper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
<i>Myadestes ralloides</i>	Andean Solitaire	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Catharus dryas</i>	Spotted Nightingale-Thrush	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	
<i>Catharus ustulatus</i>	Swainson's Thrush	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Turdus fuscater</i>	Great Thrush	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
<i>Turdus chiguanco</i>	Chiguanco Thrush	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
<i>Turdus serranus</i>	Glossy-black Thrush	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26
<i>Turdus nigriceps</i>	Slaty Thrush	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	
<i>Turdus rufiventris</i>	Rufous-bellied Thrush	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0
<i>Turdus leucomelas</i>	Pale-breasted Thrush	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Turdus amaurochalinus</i>	Creamy-bellied Thrush	0	1	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Turdus ignobilis</i>	Black-billed Thrush	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Turdus lawrencii</i>	Lawrence's Thrush	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Turdus hauxwelli</i>	Hauxwell's Thrush	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Turdus albicollis</i>	White-necked Robin	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mimus saturninus</i>	Chalk-browed Mockingbird	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mimus triurus</i>	White-banded Mockingbird	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mimus dorsalis</i>	Brown-backed Mockingbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anthus lutescens</i>	Yellowish Pipit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anthus bogotensis</i>	Paramo Pipit	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Coereba flaveola</i>	Bananaquit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Schistochlamys melanopsis</i>	Black-faced Tanager	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Cissopis leveriana</i>	Magpie Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Conothraupis speculigera</i>	Black-and-white Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Nemosia pileata</i>	Hooded Tanager	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hemispingus melanotis</i>	Black-eared Hemispingus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thlypopsis sordida</i>	Orange-headed Tanager	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
<i>Thlypopsis ruficeps</i>	Rust-and-yellow Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
<i>Cypsnagra hirundinacea</i>	White-rumped Tanager	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trichothraupis melanops</i>	Black-goggled Tanager	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
<i>Eucometis penicillata</i>	Gray-headed Tanager	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
<i>Tachyphonus cristatus</i>	Flame-crested Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tachyphonus rufiventer</i>	Yellow-crested Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<i>Tachyphonus luctuosus</i>	White-shouldered Tanager	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
<i>Lanius versicolor</i>	White-winged Shrike-Tanager	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0
<i>Ramphocelus carbo</i>	Silver-beaked Tanager	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	1	1
<i>Thraupis episcopus</i>	Blue-gray Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Thraupis sayaca</i>	Sayaca Tanager	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1
<i>Thraupis palmarum</i>	Palm Tanager	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Thraupis bonariensis</i>	Blue-and-yellow Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Anisognathus somptuosus</i>	Blue-winged Mountain-Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pipraeidea melanonota</i>	Fawn-breasted Tanager	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
<i>Chlorochrysa calliparaea</i>	Orange-eared Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tangara mexicana</i>	Turquoise Tanager	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	
<i>Tangara chilensis</i>	Paradise Tanager	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	
<i>Tangara schrankii</i>	Green-and-gold Tanager	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	

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<i>Tangara arthus</i>	Golden Tanager	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
<i>Tangara xanthocephala</i>	Saffron-crowned Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Tangara chrysotis</i>	Golden-eared Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tangara xanthogastra</i>	Yellow-bellied Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
<i>Tangara punctata</i>	Spotted Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Tangara gyrola</i>	Bay-headed Tanager	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
<i>Tangara cayana</i>	Burnished-buff Tanager	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tangara ruficervix</i>	Golden-naped Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tangara cyanicollis</i>	Blue-necked Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Tangara nigrocincta</i>	Masked Tanager	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
<i>Tangara nigroviridis</i>	Beryl-spangled Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tangara argyrophenges</i>	Green-throated Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tangara velia</i>	Opal-rumped Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Tersina viridis</i>	Swallow-Tanager	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dacnis lineata</i>	Black-faced Dacnis	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
<i>Dacnis flaviventer</i>	Yellow-bellied Dacnis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dacnis cayana</i>	Blue Dacnis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1
<i>Cyanerpes caeruleus</i>	Purple Honeycreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
<i>Cyanerpes cyaneus</i>	Red-legged Honeycreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
<i>Chlorophanes spiza</i>	Green Honeycreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
<i>Hemithraupis guira</i>	Guira Tanager	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1
<i>Hemithraupis flavicollis</i>	Yellow-backed Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
<i>Conirostrum speciosum</i>	Chestnut-vented Conebill	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
<i>Conirostrum cinereum</i>	Cinereous Conebill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Oreomanes fraseri</i>	Giant Conebill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0
<i>Diglossa sitoides</i>	Rusty Flowerpiercer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Diglossa carbonaria</i>	Gray-bellied Flowerpiercer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
<i>Diglossa glauca</i>	Deep-blue Flowerpiercer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Catamblyrhynchus diadema</i>	Plushcap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Chlorospingus ophthalmicus</i>	Common Bush-Tanager	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
<i>Piranga flava</i>	Hepatic Tanager	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Piranga olivacea</i>	Scarlet Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Piranga leucoptera</i>	White-winged Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Habia rubica</i>	Red-crowned Ant-Tanager	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
<i>Chlorothraupis carmioli</i>	Carmiol's Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
<i>Euphonia chlorotica</i>	Purple-throated Euphonia	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0
<i>Euphonia laniirostris</i>	Thick-billed Euphonia	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Euphonia cyanocephala</i>	Golden-rumped Euphonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
<i>Euphonia chrysopasta</i>	Golden-bellied Euphonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0

Scientific Name	English Name	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26	
<i>Euphonia mesochrysa</i>	Bronze-green Euphonie	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Euphonia minuta</i>	White-vented Euphonie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Euphonia rufiventris</i>	Rufous-bellied Euphonie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
<i>Euphonia xanthogaster</i>	Orange-bellied Euphonie	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Chlorophonia cyanea</i>	Blue-naped Chlorophonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
<i>Zonotrichia capensis</i>	Rufous-collared Sparrow	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	1	1	1	0	0	0	0
<i>Ammodramus humeralis</i>	Grassland Sparrow	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Ammodramus aurifrons</i>	Yellow-browed Sparrow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Phrygilus atriceps</i>	Black-hooded Sierra-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
<i>Phrygilus punensis</i>	Peruvian Sierra-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Phrygilus fruticeti</i>	Mourning Sierra-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phrygilus unicolor</i>	Plumbeous Sierra-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0
<i>Phrygilus plebejus</i>	Ash-breasted Sierra-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0
<i>Donacospiza albifrons</i>	Long-tailed Reed-Finch	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Diuca speculifera</i>	White-winged Diuca-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Poospiza boliviiana</i>	Bolivian Warbling-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Poospiza hypochondria</i>	Rufous-sided Warbling-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
<i>Poospiza erythrophrys</i>	Rusty-browed Warbling-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Poospiza melanoleuca</i>	Black-capped Warbling-Finch	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Sicalis citrina</i>	Stripe-tailed Yellow-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sicalis uropygialis</i>	Bright-rumped Yellow-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Sicalis luteocephala</i>	Citron-headed Yellow-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sicalis olivascens</i>	Greenish Yellow-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Sicalis flaveola</i>	Saffron Finch	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Sicalis luteola</i>	Grassland Yellow-Finch	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Emberizoides herbicola</i>	Wedge-tailed Grass-Finch	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Embernagra platensis</i>	Great Pampa-Finch	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Volatinia jacarina</i>	Blue-black Grassquit	1	1	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Sporophila plumbea</i>	Plumbeous Seedeater	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila americana</i>	Wing-barred Seedeater	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila collaris</i>	Rusty-collared Seedeater	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila lineola</i>	Lined Seedeater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila nigricollis</i>	Yellow-bellied Seedeater	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila caerulescens</i>	Double-collared Seedeater	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	
<i>Sporophila leucoptera</i>	White-bellied Seedeater	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila nigrorufa</i>	Black-and-tawny Seedeater	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila hypoxantha</i>	Tawny-bellied Seedeater	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila hypochroma</i>	Rufous-rumped Seedeater	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila ruficollis</i>	Dark-throated Seedeater	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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<i>Oryzoborus angolensis</i>	Lesser Seed-Finch	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Oryzoborus maximiliani</i>	Great-billed Seed-Finch	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Catamenia analis</i>	Band-tailed Seedeater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Catamenia inornata</i>	Plain-colored Seedeater	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
<i>Catamenia homochroa</i>	Paramo Seedeater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Tiaris obscura</i>	Dull-colored Grassquit	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
<i>Arremon taciturnus</i>	Pectoral Sparrow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Arremon flavirostris</i>	Saffron-billed Sparrow	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
<i>Buarremom torquatus</i>	Stripe-headed Brush-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
<i>Atlapetes rufigularis</i>	Rufous-naped Brush-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Atlapetes fulviceps</i>	Fulvous-headed Brush-Finch	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0
<i>Saltatricula multicolor</i>	Many-colored Chaco-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coryphospingus cucullatus</i>	Red-crested Finch	1	1	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
<i>Paroaria coronata</i>	Red-crested Cardinal	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Paroaria gularis</i>	Red-capped Cardinal	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Paroaria capitata</i>	Yellow-billed Cardinal	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pheucticus aureoventris</i>	Black-backed Grosbeak	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
<i>Parkerthraustes humeralis</i>	Yellow-shouldered Grosbeak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Saltator grossus</i>	Slate-colored Grosbeak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
<i>Saltator maximus</i>	Buff-throated Saltator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
<i>Saltator similis</i>	Green-winged Saltator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Saltator coerulescens</i>	Grayish Saltator	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Saltator aurantiirostris</i>	Golden-billed Saltator	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0
<i>Saltator atricollis</i>	Black-throated Saltator	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Saltator rufiventris</i>	Rufous-bellied Saltator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
<i>Cyanocompsa cyanoides</i>	Blue-black Grosbeak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1
<i>Cyanocompsa brissonii</i>	Ultramarine Grosbeak	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
<i>Parula pityayumi</i>	Tropical Parula	0	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	1	1	1	1	0	1	1
<i>Geothlypis aequinoctialis</i>	Masked Yellowthroat	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myioborus miniatus</i>	Slate-throated Redstart	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
<i>Myioborus brunniceps</i>	Brown-capped Redstart	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	1	1	1	1	0	0
<i>Basileuterus bivittatus</i>	Two-banded Warbler	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
<i>Basileuterus chrysogaster</i>	Golden-bellied Warbler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Basileuterus flaveolus</i>	Flavescent Warbler	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Basileuterus signatus</i>	Pale-legged Warbler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Basileuterus coronatus</i>	Russet-crowned Warbler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Basileuterus culicivorus</i>	Golden-crowned Warbler	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1
<i>Basileuterus hypoleucus</i>	White-bellied Warbler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Basileuterus tristriatus</i>	Three-striped Warbler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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<i>Phaeothlypis fulvicauda</i>	Buff-rumped Warbler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Phaeothlypis rivularis</i>	Riverbank Warbler	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1		
<i>Psarocolius angustifrons</i>	Russet-backed Oropendola	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1		
<i>Psarocolius atrovirens</i>	Dusky-green Oropendola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<i>Psarocolius decumanus</i>	Crested Oropendola	0	1	1	1	1	0	1	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	0	1	1		
<i>Psarocolius bifasciatus</i>	Amazonian Oropendola	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	
<i>Cacicus solitarius</i>	Solitary Black Cacique	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Cacicus cela</i>	Yellow-rumped Cacique	0	1	0	0	0	0	1	0	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	1	1	
<i>Cacicus haemorrhous</i>	Red-rumped Cacique	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Cacicus chrysopterus</i>	Golden-winged Cacique	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
<i>Icterus icterus</i>	Troupial	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Icterus cayanensis</i>	Epaulet Oriole	0	1	1	1	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
<i>Lampropsartanagrinus</i>	Velvet-fronted Grackle	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Gnorimopsarchopi</i>	Chopi Blackbird	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Chrysosomuscyanopus</i>	Unicolored Blackbird	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Chrysosomusruficapillus</i>	Chestnut-capped Blackbird	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Agelaioidesbadius</i>	Bay-winged Cowbird	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
<i>Molothrusrufoaxillaris</i>	Screaming Cowbird	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Molothrusoryzivorus</i>	Giant Cowbird	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
<i>Molothrusbonariensis</i>	Shiny Cowbird	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Sturnellascircumcincta</i>	White-browed Blackbird	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Cardueliscrassirostris</i>	Thick-billed Siskin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
<i>Carduelismagellanica</i>	Hooded Siskin	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	
<i>Carduelisolivacea</i>	Olivaceous Siskin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Carduelixanthogastra</i>	Yellow-bellied Siskin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Carduelisatrata</i>	Black Siskin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	
<i>Columba livia</i>	Rock Dove	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	

66 143 103 118 75 79 82 95 87 123 126 94 85 27 30 62 64 148 136 95 93 81 38 190 125

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Rhea americana</i>	Greater Rhea	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tinamus tao</i>	Gray Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
<i>Tinamus major</i>	Great Tinamou	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Crypturellus cinereus</i>	Cinereous Tinamou	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Crypturellus soui</i>	Little Tinamou	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Crypturellus obsoletus</i>	Brown Tinamou	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Crypturellus undulatus</i>	Undulated Tinamou	0	1	1	1	1	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	1	0
<i>Crypturellus strigulosus</i>	Brazilian Tinamou	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Crypturellus atrocapillus</i>	Black-capped Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Crypturellus parvirostris</i>	Small-billed Tinamou	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
<i>Crypturellus tataupa</i>	Tataupa Tinamou	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	0	0	1	0	0	0	0
<i>Rhynchotus rufescens</i>	Red-winged Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Rhynchotus maculicollis</i>	Huayco Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nothoprocta ornata</i>	Ornate Tinamou	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nothoprocta pentlandii</i>	Andean Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nothura boraquira</i>	White-bellied Nothura	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
<i>Nothura darwini</i>	Darwin's Nothura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tinamotis pentlandii</i>	Puna Tinamou	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ortalis canicollis</i>	Chaco Chachalaca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
<i>Ortalis guttata</i>	Speckled Chachalaca	1	1	0	0	1	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	1	1	1
<i>Penelope montagnii</i>	Andean Guan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Penelope superciliaris</i>	Rusty-margined Guan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Penelope dabbenei</i>	Red-faced Guan	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Penelope jacquacu</i>	Spix's Guan	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<i>Penelope obscura</i>	Dusky-legged Guan	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pipile cumanensis</i>	Blue-throated Piping-Guan	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	1	1
<i>Mitu tuberosa</i>	Razor-billed Curassow	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<i>Crax globulosa</i>	Wattled Curassow	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Crax fasciolata</i>	Bare-faced Curassow	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Odontophorus gujanensis</i>	Marbled Wood-Quail	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
<i>Odontophorus speciosus</i>	Rufous-breasted Wood-Quail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Odontophorus stellatus</i>	Starred Wood-Quail	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anhima cornuta</i>	Horned Screamer	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chauna torquata</i>	Southern Screamer	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
<i>Dendrocygna bicolor</i>	Fulvous Whistling-Duck	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dendrocygna viduata</i>	White-faced Whistling-Duck	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Dendrocygna autumnalis</i>	Black-bellied Whistling-Duck	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0
<i>Neochen jubata</i>	Orinoco Goose	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Cairina moschata</i>	Muscovy Duck	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
<i>Amazonetta brasiliensis</i>	Brazilian Teal	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Merganetta armata</i>	Torrent Duck	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anas flavirostris</i>	Speckled Teal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tachybaptus dominicus</i>	Least Grebe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Podilymbus podiceps</i>	Pied-billed Grebe	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Phalacrocorax brasiliensis</i>	Neotropic Cormorant	1	1	0	1	1	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	0	1	1
<i>Anhinga anhinga</i>	Anhinga	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0
<i>Tigrisoma lineatum</i>	Rufescent Tiger-Heron	1	0	0	1	1	0	0	0	0	1	1	1	1	0	1	1	1	1	0	0	0	0	0
<i>Tigrisoma fasciatum</i>	Fasciated Tiger-Heron	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Agamia agami</i>	Agami Heron	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cochlearius cochlearius</i>	Boat-billed Heron	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
<i>Nycticorax nycticorax</i>	Black-crowned Night-Heron	0	0	0	1	1	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0
<i>Ixobrychus involucris</i>	Stripe-backed Bittern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Butorides striatus</i>	Striated Heron	1	1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0
<i>Bubulcus ibis</i>	Cattle Egret	1	1	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0
<i>Ardea cocoi</i>	Cocoi Heron	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0	1	0	1	0	0
<i>Ardea alba</i>	Great Egret	1	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0
<i>Syrrhaga sibilatrix</i>	Whistling Heron	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0
<i>Pilherodius pileatus</i>	Capped Heron	1	1	0	1	1	0	0	0	0	1	1	0	1	0	0	0	1	1	0	0	0	0	0
<i>Egretta thula</i>	Snowy Egret	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0
<i>Egretta caerulea</i>	Little Blue Heron	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mesembrinibis cayennensis</i>	Green Ibis	1	1	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	1	0	0	0	0	0
<i>Phimosus infuscatus</i>	Bare-faced Ibis	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0
<i>Theristicus caerulescens</i>	Plumbeous Ibis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	0	0
<i>Theristicus caudatus</i>	Buff-necked Ibis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0
<i>Ajaia ajaja</i>	Roseate Spoonbill	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1	0	0
<i>Ciconia maguari</i>	Maguari Stork	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0
<i>Jabiru mycteria</i>	Jabiru	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	0	0
<i>Mycteria americana</i>	Wood Stork	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0
<i>Cathartes aura</i>	Turkey Vulture	0	0	0	1	1	1	0	1	0	1	1	1	1	0	1	1	1	0	1	1	1	1	1
<i>Cathartes burrovianus</i>	Lesser Yellow-headed Vulture	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0
<i>Cathartes melambrotos</i>	Greater Yellow-headed Vulture	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coragyps atratus</i>	Black Vulture	1	0	0	1	1	0	0	0	1	1	1	1	1	0	1	1	1	1	0	1	1	1	0
<i>Sarcophamphus papa</i>	King Vulture	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
<i>Vultur gryphus</i>	Andean Condor	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
<i>Pandion haliaetus</i>	Osprey	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
<i>Leptodon cayanensis</i>	Gray-headed Kite	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elanoides forficatus</i>	Swallow-tailed Kite	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Gampsonyx swainsonii</i>	Pearl Kite	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Rostrhamus sociabilis</i>	Snail Kite	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0
<i>Harpagus bidentatus</i>	Double-toothed Kite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Ictinia plumbea</i>	Plumbeous Kite	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Circus cinereus</i>	Cinereous Harrier	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Circus buffoni</i>	Long-winged Harrier	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Accipiter striatus</i>	Sharp-shinned Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Accipiter bicolor</i>	Bicolored Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Geranospiza caerulescens</i>	Crane Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Leucopternis schistacea</i>	Slate-colored Hawk	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Leucopternis albicollis</i>	White Hawk	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Asturnina nitida</i>	Gray Hawk	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Buteogallus urubitinga</i>	Great Black Hawk	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Buteogallus meridionalis</i>	Savanna Hawk	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	1	0
<i>Harpyhaliaetus solitarius</i>	Solitary Eagle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Busarellus nigricollis</i>	Black-collared Hawk	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0
<i>Geranoaetus melanoleucus</i>	Black-chested Buzzard-Eagle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Parabuteo unicinctus</i>	Bay-winged Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Buteo magnirostris</i>	Roadside Hawk	0	1	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
<i>Buteo platypterus</i>	Broad-winged Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Buteo brachyurus</i>	Short-tailed Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Buteo albicaudatus</i>	White-tailed Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Buteo polyosoma</i>	Red-backed Hawk	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Buteo poecilochrous</i>	Puna Hawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Harpia harpyja</i>	Harpy Eagle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Spizastur melanoleucus</i>	Black-and-white Hawk-Eagle	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spizaetus ornatus</i>	Ornate Hawk-Eagle	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Oroaetus isidori</i>	Black-and-chestnut Eagle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Daptrius ater</i>	Black Caracara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ibycter americanus</i>	Red-throated Caracara	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phalcoboenus megalopterus</i>	Mountain Caracara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Caracara plancus</i>	Southern Caracara	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0	0	0	0
<i>Milvago chimachima</i>	Yellow-headed Caracara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Herpetotheres cachinnans</i>	Laughing Falcon	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	0	0	0	0	0	0
<i>Micrastur ruficollis</i>	Barred Forest-Falcon	1	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Micrastur gilvicollis</i>	Lined Forest-Falcon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Micrastur mirandollei</i>	Slaty-backed Forest-Falcon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Micrastur semitorquatus</i>	Collared Forest-Falcon	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1
<i>Falco sparverius</i>	American Kestrel	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Falco rufigularis</i>	Bat Falcon	0	1	0	1	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0
<i>Falco femoralis</i>	Aplomado Falcon	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
<i>Falco peregrinus</i>	Peregrine Falcon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aramus guarauna</i>	Limpkin	0	1	0	0	1	0	0	0	0	0	1	1	0	0	1	0	1	1	0	0	0	0	0
<i>Psophia leucoptera</i>	Pale-winged Trumpeter	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Aramides ypecaha</i>	Great Wood-Rail	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aramides cajanea</i>	Gray-necked Wood-Rail	0	1	0	1	1	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	1	0
<i>Laterallus melanophaius</i>	Rufous-sided Crake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Porzana flaviventer</i>	Yellow-breasted Crake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Porzana albicollis</i>	Ash-throated Crake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Gallinula chloropus</i>	Common Moorhen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Porphyrio martinica</i>	Purple Gallinule	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Helicorhynchus fulica</i>	Sungrebe	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Eurypyga helias</i>	Sunbittern	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
<i>Cariama cristata</i>	Red-legged Seriema	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
<i>Chunga burmeisteri</i>	Black-legged Seriema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Jacana jacana</i>	Wattled Jacana	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	0	0	0
<i>Himantopus mexicanus</i>	Black-necked Stilt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Vanellus cayanus</i>	Pied Lapwing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Vanellus chilensis</i>	Southern Lapwing	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	0	0	0
<i>Vanellus resplendens</i>	Andean Lapwing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Charadrius collaris</i>	Collared Plover	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Gallinago andina</i>	Puna Snipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tringa melanoleuca</i>	Greater Yellowlegs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tringa flavipes</i>	Lesser Yellowlegs	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tringa solitaria</i>	Solitary Sandpiper	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
<i>Actitis macularia</i>	Spotted Sandpiper	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
<i>Calidris fuscicollis</i>	White-rumped Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Calidris melanotos</i>	Pectoral Sandpiper	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Calidris himantopus</i>	Stilt Sandpiper	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Larus serranus</i>	Andean Gull	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sterna superciliaris</i>	Yellow-billed Tern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Phaetusa simplex</i>	Large-billed Tern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
<i>Rynchops niger</i>	Black Skimmer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Columba speciosa</i>	Scaled Pigeon	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Columba picazuro</i>	Picazuro Pigeon	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	0	0
<i>Columba maculosa</i>	Spot-winged Pigeon	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Columba fasciata</i>	Band-tailed Pigeon	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Columba cayennensis</i>	Pale-vented Pigeon	1	1	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Columba plumbea</i>	Plumbeous Pigeon	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
<i>Columba subvinacea</i>	Ruddy Pigeon	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Zenaida auriculata</i>	Eared Dove	0	0	0	1	1	0	0	0	0	1	0	1	1	1	1	1	0	0	1	0	0	0	0
<i>Columbina minuta</i>	Plain-breasted Ground-Dove	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Columbina talpacoti</i>	Ruddy Ground-Dove	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
<i>Columbina picui</i>	Picui Ground-Dove	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0
<i>Columbina squammata</i>	Scaled Ground-Dove	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
<i>Claravis pretiosa</i>	Blue Ground-Dove	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0
<i>Metriopelia ceciliae</i>	Bare-faced Ground-Dove	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Metriopelia melanoptera</i>	Black-winged Ground-Dove	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Metriopelia aymara</i>	Golden-spotted Ground-Dove	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Leptotila verreauxi</i>	White-tipped Dove	0	1	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	1	1	1	1	0	0
<i>Leptotila megalura</i>	Large-tailed Dove	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Leptotila rufaxilla</i>	Gray-fronted Dove	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Geotrygon frenata</i>	White-throated Quail-Dove	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Geotrygon montana</i>	Ruddy Quail-Dove	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Anodorhynchus hyacinthinus</i>	Hyacinth Macaw	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ara ararauna</i>	Blue-and-yellow Macaw	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
<i>Ara militaris</i>	Military Macaw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Ara macao</i>	Scarlet Macaw	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ara chloroptera</i>	Red-and-green Macaw	1	1	1	0	0	0	0	0	0	1	1	1	0	0	1	0	1	0	0	0	0	1	0
<i>Ara auricollis</i>	Golden-collared Macaw	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	0	1	1	0	1	0	0	0
<i>Ara severa</i>	Chestnut-fronted Macaw	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	1	1	0
<i>Orthopsittaca manilata</i>	Red-bellied Macaw	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Diopsittaca nobilis</i>	Red-shouldered Macaw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aratinga acuticaudata</i>	Blue-crowned Parakeet	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0
<i>Aratinga mitrata</i>	Mitred Parakeet	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aratinga leucophthalmus</i>	White-eyed Parakeet	1	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0	1	0	0
<i>Aratinga weddellii</i>	Dusky-headed Parakeet	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
<i>Aratinga aurea</i>	Peach-fronted Parakeet	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0
<i>Nandayus nenday</i>	Black-hooded Parakeet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
<i>Pyrrhura molinae</i>	Green-cheeked Parakeet	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	0	0	1	0	0	0	0	1
<i>Pyrrhura picta</i>	Painted Parakeet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pyrrhura rupicola</i>	Black-capped Parakeet	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myiopsitta monachus</i>	Monk Parakeet	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
<i>Psilopsiagon aymara</i>	Gray-hooded Parakeet	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Psilopsiagon aurifrons</i>	Mountain Parakeet	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Bolborhynchus lineola</i>	Barred Parakeet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Forpus xanthopterygius</i>	Blue-winged Parrotlet	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0

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<i>Brotogeris chiriri</i>	Yellow-chevroned Parakeet	1	0	0	1	1	0	0	0	0	0	1	1	0	1	1	0	1	0	0	0	0	1	0
<i>Brotogeris cyanoptera</i>	Cobalt-winged Parakeet	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Brotogeris sanctithomae</i>	Tui Parakeet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nannopsittaca dachilleae</i>	Amazonian Parrotlet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Touit huetii</i>	Scarlet-shouldered Parrotlet	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pionites leucogaster</i>	White-bellied Parrot	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pionus menstruus</i>	Blue-headed Parrot	1	1	1	1	1	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	1	1	1
<i>Pionus sordidus</i>	Red-billed Parrot	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pionus maximiliani</i>	Scaly-headed Parrot	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0
<i>Amazona tucumana</i>	Tucuman Parrot	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Amazona aestiva</i>	Blue-fronted Parrot	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	1	1	0	1	1	0	0	0
<i>Amazona ochrocephala</i>	Yellow-crowned Parrot	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Amazona amazonica</i>	Orange-winged Parrot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Amazona mercenaria</i>	Scaly-naped Parrot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Amazona farinosa</i>	Mealy Parrot	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<i>Opisthocomus hoazin</i>	Hoatzin	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Coccyzus cinereus</i>	Ash-colored Cuckoo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Coccyzus americanus</i>	Yellow-billed Cuckoo	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coccyzus melacoryphus</i>	Dark-billed Cuckoo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Piaya cayana</i>	Squirrel Cuckoo	1	1	0	1	1	0	0	0	1	1	1	1	1	1	1	0	1	0	0	0	1	1	1
<i>Crotophaga major</i>	Greater Ani	1	1	0	1	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
<i>Crotophaga ani</i>	Smooth-billed Ani	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
<i>Guira guira</i>	Guira Cuckoo	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	0	0	0	0
<i>Tapera naevia</i>	Striped Cuckoo	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0
<i>Dromococcyx phasianellus</i>	Pheasant Cuckoo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dromococcyx pavoninus</i>	Pavonine Cuckoo	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
<i>Tyto alba</i>	Barn Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Otus choliba</i>	Tropical Screech-Owl	0	1	1	0	0	0	0	0	1	1	0	1	0	1	0	0	1	0	1	0	0	0	0
<i>Otus ingens</i>	Rufescent Screech-Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Otus watsonii</i>	Tawny-bellied Screech-Owl	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Otus hoyi</i>	Montane Forest Screech-Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lophostrix cristata</i>	Crested Owl	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pulsatrix perspicillata</i>	Spectacled Owl	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	0
<i>Pulsatrix melanota</i>	Band-bellied Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Bubo virginianus</i>	Great Horned Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
<i>Ciccaba huhula</i>	Black-banded Owl	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Glaucidium boliviianum</i>	Yungas Pygmy-Owl	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Glaucidium parkeri</i>	Subtropical Pygmy-Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Glaucidium hardyi</i>	Amazonian Pygmy-Owl	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Glaucidium brasilianum</i>	Ferruginous Pygmy-Owl	1	0	0	1	1	0	0	0	0	1	1	1	0	0	0	1	1	0	0	0	0	0	0
<i>Athene cunicularia</i>	Burrowing Owl	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0
<i>Asio stygius</i>	Stygian Owl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Nyctibius grandis</i>	Great Potoo	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Nyctibius aethereus</i>	Long-tailed Potoo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nyctibius griseus</i>	Common Potoo	0	1	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
<i>Lurocalis semitorquatus</i>	Semicollared Nighthawk	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lurocalis rufiventer</i>	Rufous-bellied Nighthawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Nyctiprogne leucopyga</i>	Band-tailed Nighthawk	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Podager nacunda</i>	Nacunda Nighthawk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nyctidromus albicollis</i>	Parauque	1	1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	1	0
<i>Nyctiphrynus ocellatus</i>	Ocellated Poorwill	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Caprimulgus rufus</i>	Rufous Nightjar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Hydropsalis climacocerca</i>	Ladder-tailed Nightjar	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hydropsalis torquata</i>	Scissor-tailed Nightjar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0
<i>Uropsalis segmentata</i>	Swallow-tailed Nightjar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Uropsalis lyra</i>	Lyre-tailed Nightjar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cypseloides rothschildi</i>	Rothschild's Swift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Streptoprocne rutila</i>	Chestnut-collared Swift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Streptoprocne zonaris</i>	White-collared Swift	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Chaetura cinereiventris</i>	Gray-rumped Swift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Chaetura meridionalis</i>	Sick's Swift	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Chaetura brachyura</i>	Short-tailed Swift	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aeronauta montivagus</i>	White-tipped Swift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Aeronauta andecolus</i>	Andean Swift	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tachornis squamata</i>	Fork-tailed Palm-Swift	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phaethornis ruber</i>	Reddish Hermit	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
<i>Phaethornis stuarti</i>	White-browed Hermit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Phaethornis subochraceus</i>	Buff-bellied Hermit	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0
<i>Phaethornis pretrei</i>	Planalto Hermit	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phaethornis hispidus</i>	White-bearded Hermit	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
<i>Phaethornis philippii</i>	Needle-billed Hermit	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phaethornis malaris</i>	Great-billed Hermit	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
<i>Doryfera ludovicae</i>	Green-fronted Lancebill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Campylopterus largipennis</i>	Gray-breasted Sabrewing	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Eupetomena macroura</i>	Swallow-tailed Hummingbird	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0
<i>Florisuga mellivora</i>	White-necked Jacobin	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Colibri thalassinus</i>	Green Violet-ear	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

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<i>Colibri coruscans</i>	Sparkling Violet-ear	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Colibri serrirostris</i>	White-vented Violet-ear	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anthracothorax nigricollis</i>	Black-throated Mango	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Klais guimeti</i>	Violet-headed Hummingbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Lophornis delattrei</i>	Rufous-crested Coquette	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Chlorostilbon mellisugus</i>	Blue-tailed Emerald	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chlorostilbon aureoventris</i>	Glittering-bellied Emerald	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0
<i>Thalurania furcata</i>	Fork-tailed Woodnymph	0	1	1	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	1	0
<i>Hylocharis cyanus</i>	White-chinned Sapphire	1	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Hylocharis chrysura</i>	Gilded Hummingbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Chrysuronia oenone</i>	Golden-tailed Sapphire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Polytmus guainumbi</i>	White-tailed Goldenthroat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Amazilia chionogaster</i>	White-bellied Hummingbird	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Amazilia fimbriata</i>	Glittering-throated Emerald	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0
<i>Adelomyia melanogenys</i>	Speckled Hummingbird	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Heliodoxa aurescens</i>	Gould's Jewelfront	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Heliodoxa leadbeateri</i>	Violet-fronted Brilliant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Aglaeactis pamela</i>	Black-hooded Sunbeam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Oreotrochilus estella</i>	Andean Hillstar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Oreotrochilus leucopleurus</i>	White-sided Hillstar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Oreotrochilus adela</i>	Wedge-tailed Hillstar	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coeligena coeligena</i>	Bronzy Inca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pterophanes cyanopterus</i>	Great Sapphirwing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Patagona gigas</i>	Giant Hummingbird	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Eriocnemis glaucomelas</i>	Blue-capped Puffleg	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ocreatus underwoodii</i>	Booted Racquet-tail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Sappho sparganura</i>	Red-tailed Comet	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Metallura aeneocauda</i>	Scaled Metaltail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Heliothryx aurita</i>	Black-eared Fairy	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
<i>Microstilbon burmeisteri</i>	Slender-tailed Woodstar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chaetocercus mulsant</i>	White-bellied Woodstar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Trogon viridis</i>	White-tailed Tropicbird	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trogon curucui</i>	Blue-crowned Tropicbird	0	1	0	1	1	1	0	0	1	1	0	1	1	1	1	1	0	0	0	1	1	1	1
<i>Trogon violaceus</i>	Violaceous Tropicbird	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trogon collaris</i>	Collared Tropicbird	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<i>Trogon rufus</i>	Black-throated Tropicbird	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trogon melanurus</i>	Black-tailed Tropicbird	1	1	1	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	1
<i>Pharomachrus pavoninus</i>	Pavonine Quetzal	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pharomachrus antisianus</i>	Crested Quetzal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

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<i>Ceryle torquata</i>	Ringed Kingfisher	1	1	0	1	1	0	0	0	0	1	1	1	1	0	1	1	1	1	0	0	0	1	1
<i>Chloroceryle amazona</i>	Amazon Kingfisher	1	1	0	1	0	0	0	0	0	1	1	0	1	0	1	0	0	1	0	0	1	0	0
<i>Chloroceryle americana</i>	Green Kingfisher	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
<i>Chloroceryle indica</i>	Green-and-rufous Kingfisher	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chloroceryle aenea</i>	American Pygmy-Kingfisher	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Electron platyrhynchum</i>	Broad-billed Motmot	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Baryphthengus martii</i>	Rufous Motmot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Momotus momota</i>	Blue-crowned Motmot	1	1	1	1	1	0	0	0	1	0	0	1	1	1	1	1	0	0	1	0	0	1	0
<i>Galbulia ruficauda</i>	Rufous-tailed Jacamar	0	0	0	1	1	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	1	0
<i>Galbulia cyanescens</i>	Bluish-fronted Jacamar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Galbulia dea</i>	Paradise Jacamar	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Jacamerops aureus</i>	Great Jacamar	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Notharchus macrorhynchos</i>	White-necked Puffbird	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
<i>Bucco tamatia</i>	Spotted Puffbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Nystalus striolatus</i>	Striolated Puffbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nystalus chacuru</i>	White-eared Puffbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nystalus maculatus</i>	Spot-backed Puffbird	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	1	0	0
<i>Malacoptila semicincta</i>	Semicollared Puffbird	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Malacoptila rufa</i>	Rufous-necked Puffbird	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Monasa nigrifrons</i>	Black-fronted Nunbird	1	1	1	1	1	0	0	0	0	1	0	1	0	0	0	0	1	1	0	0	0	1	0
<i>Monasa morphoeus</i>	White-fronted Nunbird	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Monasa flavirostris</i>	Yellow-billed Nunbird	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chelidoptera tenebrosa</i>	Swallow-winged Puffbird	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Capito dayi</i>	Black-girdled Barbet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Capito auratus</i>	Gilded Barbet	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Eubucco versicolor</i>	Versicolored Barbet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Aulacorhynchus prasinus</i>	Emerald Toucanet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Aulacorhynchus derbianus</i>	Chestnut-tipped Toucanet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Aulacorhynchus coeruleicinctus</i>	Blue-banded Toucanet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pteroglossus inscriptus</i>	Lettered Aracari	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Pteroglossus azara</i>	Ivory-billed Aracari	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pteroglossus castanotis</i>	Chestnut-eared Aracari	1	1	0	1	1	0	0	0	0	1	0	1	0	0	1	1	1	0	0	0	0	1	1
<i>Pteroglossus beauharnaesii</i>	Curl-crested Aracari	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Selenidera reinwardtii</i>	Golden-collared Toucanet	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ramphastos vitellinus</i>	Channel-billed Toucan	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Ramphastos toco</i>	Toco Toucan	1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	1	1	0	0	0	0	0	0
<i>Ramphastos tucanus</i>	White-throated Toucan	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Picumnus aurifrons</i>	Bar-breasted Piculet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Picumnus cirratus</i>	White-barred Piculet	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	1	0	0

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Picumnus dorbignyanus</i>	Ocellated Piculet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Picumnus albosquamatus</i>	White-wedged Piculet	0	0	0	1	1	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	1	0
<i>Melanerpes candidus</i>	White Woodpecker	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	0	0	0	0
<i>Melanerpes cruentatus</i>	Yellow-tufted Woodpecker	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
<i>Picooides lignarius</i>	Striped Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Veniliornis nigriceps</i>	Bar-bellied Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Veniliornis fumigatus</i>	Smoky-brown Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Veniliornis passerinus</i>	Little Woodpecker	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	1	1	0
<i>Veniliornis frontalis</i>	Dot-fronted Woodpecker	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Veniliornis affinis</i>	Red-stained Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Piculus leucolaemus</i>	White-throated Woodpecker	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	1	0	0
<i>Piculus chrysochloros</i>	Golden-green Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0
<i>Piculus rubiginosus</i>	Golden-olive Woodpecker	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Colaptes melanochloros</i>	Green-barred Woodpecker	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Colaptes rupicola</i>	Andean Flicker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Colaptes campestris</i>	Campo Flicker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Celeus grammicus</i>	Scale-breasted Woodpecker	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Celeus elegans</i>	Chestnut Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Celeus lugubris</i>	Pale-crested Woodpecker	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
<i>Celeus flavus</i>	Cream-colored Woodpecker	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Celeus torquatus</i>	Ringed Woodpecker	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
<i>Dryocopus lineatus</i>	Lineated Woodpecker	1	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	1	1	1
<i>Campephilus rubricollis</i>	Red-necked Woodpecker	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	1	1
<i>Campephilus melanoleucus</i>	Crimson-crested Woodpecker	0	1	0	1	0	0	0	0	0	0	0	1	1	0	0	1	0	1	1	0	0	1	0
<i>Campephilus leucopogon</i>	Cream-backed Woodpecker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
<i>Dendrocincla tyrannina</i>	Tyrannine Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dendrocincla fuliginosa</i>	Plain-brown Woodcreeper	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0
<i>Deconychura longicauda</i>	Long-tailed Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Sittasomus griseicapillus</i>	Olivaceous Woodcreeper	1	1	0	1	1	1	0	0	1	0	1	1	1	1	1	1	0	1	0	1	1	1	1
<i>Glyphorhynchus spirurus</i>	Wedge-billed Woodcreeper	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nasica longirostris</i>	Long-billed Woodcreeper	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dendrexetastes rufigula</i>	Cinnamon-throated Woodcreeper	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hylexetastes stresemanni</i>	Bar-bellied Woodcreeper	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Xiphocolaptes promeropirhynchus</i>	Strong-billed Woodcreeper	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<i>Xiphocolaptes major</i>	Great Rufous Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	0	0	0
<i>Dendrocolaptes certhia</i>	Amazonian Barred-Woodcreeper	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Dendrocolaptes picumnus</i>	Black-banded Woodcreeper	1	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1	0	1
<i>Xiphorhynchus picus</i>	Straight-billed Woodcreeper	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	0
<i>Xiphorhynchus ocellatus</i>	Ocellated Woodcreeper	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0

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<i>Xiphorhynchus elegans</i>	Elegant Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Xiphorhynchus spixii</i>	Spix's Woodcreeper	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Xiphorhynchus guttatus</i>	Buff-throated Woodcreeper	1	1	1	1	1	0	0	0	0	1	1	1	0	1	1	1	1	1	0	0	1	1	0
<i>Xiphorhynchus triangularis</i>	Olive-backed Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
<i>Lepidocolaptes angustirostris</i>	Narrow-billed Woodcreeper	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	1	1	0	0	0	0
<i>Lepidocolaptes albolineatus</i>	Lineated Woodcreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
<i>Campylorhamphus trochilirostris</i>	Red-billed Scythebill	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	1	1	0	1
<i>Geositta cunicularia</i>	Common Miner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Geositta rufipennis</i>	Rufous-banded Miner	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Upucerthia andaecola</i>	Rock Earthcreeper	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cinclodes aricomae</i>	Royal Cinclodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cinclodes fuscus</i>	Bar-winged Cinclodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cinclodes atacamensis</i>	White-winged Cinclodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Furnarius rufus</i>	Rufous Hornero	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
<i>Furnarius cristatus</i>	Crested Hornero	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
<i>Leptasthenura fuliginiceps</i>	Brown-capped Tit-Spinetail	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Leptasthenura yanacensis</i>	Tawny Tit-Spinetail	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Leptasthenura aegithaloides</i>	Plain-mantled Tit-Spinetail	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Schoeniphalax phryganophila</i>	Chotoy Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
<i>Synallaxis frontalis</i>	Sooty-fronted Spinetail	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0
<i>Synallaxis azarae</i>	Azara's Spinetail	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Synallaxis albescens</i>	Pale-breasted Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Synallaxis rutilans</i>	Ruddy Spinetail	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Synallaxis cabanisi</i>	Cabanis's Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Synallaxis gujanensis</i>	Plain-crowned Spinetail	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	0	0	0	0
<i>Synallaxis scutata</i>	Ochre-cheeked Spinetail	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0
<i>Cranioleuca albiceps</i>	Light-crowned Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cranioleuca vulpina</i>	Rusty-backed Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cranioleuca pyrrhophia</i>	Stripe-crowned Spinetail	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Cranioleuca curtata</i>	Ash-browed Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
<i>Certhiaxis cinnamomea</i>	Yellow-throated Spinetail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0
<i>Asthenes baeri</i>	Short-billed Canastero	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
<i>Asthenes heterura</i>	Maquis Canastero	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Asthenes modesta</i>	Cordilleran Canastero	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Asthenes humilis</i>	Streak-throated Canastero	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Asthenes dorbignyi</i>	Rusty-vented Canastero	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phacellodomus rufifrons</i>	Rufous-fronted Thornbird	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	0	0	0
<i>Phacellodomus striaticeps</i>	Streak-fronted Thornbird	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phacellodomus ruber</i>	Greater Thornbird	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	0	0	0

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<i>Coryphistera alaudina</i>	Lark-like Brushrunner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
<i>Premnoplex brunnescens</i>	Spotted Barbtail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
<i>Pseudoseisura unirufa</i>	Rufous Cacholote	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0
<i>Pseudoseisura lophotes</i>	Brown Cacholote	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Anabacerthia striaticollis</i>	Montane Foliage-gleaner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Syndactyla rufosuperciliata</i>	Buff-browed Foliage-gleaner	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Simoxenops striatus</i>	Bolivian Recurvebill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Ancistrops strigilatus</i>	Chestnut-winged Hookbill	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Philydor ruficaudatum</i>	Rufous-tailed Foliage-gleaner	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
<i>Philydor erythrocericum</i>	Rufous-rumped Foliage-gleaner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Philydor rufum</i>	Buff-fronted Foliage-gleaner	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Philydor pyrrhodes</i>	Cinnamon-rumped Foliage-gleaner	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anabazenops dorsalis</i>	Dusky-cheeked Foliage-gleaner	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Thripadectes holostictus</i>	Striped Treehunter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Automolus ochrolaemus</i>	Buff-throated Foliage-gleaner	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Automolus infuscatus</i>	Olive-backed Foliage-gleaner	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sclerurus mexicanus</i>	Tawny-throated Leaftossler	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sclerurus caudacutus</i>	Black-tailed Leafscraper	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sclerurus albicularis</i>	Gray-throated Leaftossler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Lochmias nematura</i>	Sharp-tailed Streamcreeper	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Xenops minutus</i>	Plain Xenops	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<i>Xenops rutilans</i>	Streaked Xenops	1	1	0	0	1	0	0	0	1	0	0	1	1	1	0	1	0	0	0	0	1	0	0
<i>Cymbilaimus lineatus</i>	Fasciated Antshrike	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Batara cinerea</i>	Giant Antshrike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Taraba major</i>	Great Antshrike	0	1	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
<i>Thamnophilus doliatus</i>	Barred Antshrike	0	1	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0
<i>Thamnophilus palliatus</i>	Chestnut-backed Antshrike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Thamnophilus aethiops</i>	White-shouldered Antshrike	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Thamnophilus schistaceus</i>	Plain-winged Antshrike	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Thamnophilus aroyae</i>	Upland Antshrike	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Thamnophilus sticturus</i>	Bolivian Slaty-Antshrike	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0
<i>Thamnophilus amazonicus</i>	Amazonian Antshrike	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thamnophilus caerulescens</i>	Variable Antshrike	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1
<i>Thamnophilus ruficapillus</i>	Rufous-capped Antshrike	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dysithamnus mentalis</i>	Plain Antvireo	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	1	0	1
<i>Thamnomanes schistogynus</i>	Bluish-slate Antshrike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Pygiptila stellaris</i>	Spot-winged Antshrike	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmotherula leucophthalma</i>	White-eyed Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmotherula haematonota</i>	Stipple-throated Antwren	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Myrmotherula ornata</i>	Ornate Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Myrmotherula brachyura</i>	Pygmy Antwren	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmotherula multostriata</i>	Amazonian Streaked-Antwren	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmotherula longicauda</i>	Stripe-chested Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
<i>Myrmotherula hauxwelli</i>	Plain-throated Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmotherula axillaris</i>	White-flanked Antwren	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmotherula longipennis</i>	Long-winged Antwren	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmotherula grisea</i>	Yungas Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Myrmotherula menetriesii</i>	Gray Antwren	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Dichrozonaa cincta</i>	Banded Antbird	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmorchilus strigilatus</i>	Stripe-backed Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Herpsilochmus atricapillus</i>	Black-capped Antwren	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Herpsilochmus longirostris</i>	Large-billed Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Herpsilochmus rufimarginatus</i>	Rufous-winged Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Microrhopias quixensis</i>	Dot-winged Antwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Formicivora grisea</i>	White-fringed Antwren	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Formicivora rufa</i>	Rusty-backed Antwren	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0
<i>Drymophiladevillei</i>	Striated Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Cercomacra cinerascens</i>	Gray Antbird	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0
<i>Cercomacra nigrescens</i>	Blackish Antbird	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cercomacra serva</i>	Black Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Cercomacra melanaria</i>	Mato Grosso Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Pyriglenaleuconota</i>	White-backed Fire-eye	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	1	0	1
<i>Myrmoborus leucophrys</i>	White-browed Antbird	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmoborus myotherinus</i>	Black-faced Antbird	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hypocnemis cantator</i>	Warbling Antbird	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hypocnemoides maculicauda</i>	Band-tailed Antbird	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Sclateria naevia</i>	Silvered Antbird	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Percnostola leucostigma</i>	Spot-winged Antbird	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Myrmeciza hemimelaena</i>	Chestnut-tailed Antbird	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Myrmeciza atrothorax</i>	Black-throated Antbird	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<i>Myrmeciza goeldii</i>	Goeldi's Antbird	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmeciza hyperythra</i>	Plumbeous Antbird	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmeciza fortis</i>	Sooty Antbird	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Gymnopithys salvini</i>	White-throated Antbird	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rhegmatorhina melanosticta</i>	Hairy-crested Antbird	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hylophylax naevia</i>	Spot-backed Antbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hylophylax poecilinota</i>	Scale-backed Antbird	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phlegopsis nigromaculata</i>	Black-spotted Bare-eye	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Formicarius colma</i>	Rufous-capped Antthrush	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Formicarius analis</i>	Black-faced Antthrush	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Chamaea campanisona</i>	Short-tailed Antthrush	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Grallaria guatimalensis</i>	Scaled Antpitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Grallaria albicula</i>	White-throated Antpitta	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myrmothera campanisona</i>	Thrush-like Antpitta	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Conopophaga ardesiaca</i>	Slaty Gnat-eater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Scytalopus boliviensis</i>	Bolivian Tapaculo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Scytalopus simonsi</i>	Puna Tapaculo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Scytalopus zimmeri</i>	Zimmer's Tapaculo	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Melanopareia torquata</i>	Collared Crescent-chest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Phylomyias burmeisteri</i>	Rough-legged Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Phylomyias sclateri</i>	Sclater's Tyrannulet	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Phylomyias</i> sp. nov.	Undescribed species	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Myiopagis gaimardi</i>	Forest Elaenia	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Myiopagis caniceps</i>	Gray Elaenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Myiopagis viridicata</i>	Greenish Elaenia	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0
<i>Elaenia flavogaster</i>	Yellow-bellied Elaenia	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
<i>Elaenia spectabilis</i>	Large Elaenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia albiceps</i>	White-crested Elaenia	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia parvirostris</i>	Small-billed Elaenia	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia strepera</i>	Slaty Elaenia	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia gigas</i>	Mottle-backed Elaenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia pelzelni</i>	Brownish Elaenia	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia cristata</i>	Plain-crested Elaenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia chiriquensis</i>	Lesser Elaenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Elaenia obscura</i>	Highland Elaenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ornithion inerne</i>	White-lored Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
<i>Camptostoma obsoletum</i>	Southern Beardless-Tyrannulet	0	0	0	1	1	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	0	0
<i>Suiriri suiriri</i>	Suiriri Flycatcher	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	0	0	0	0
<i>Mecocerculus hellmayri</i>	Buff-banded Tyrannulet	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Mecocerculus leucophrus</i>	White-throated Tyrannulet	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Anairetes flavirostris</i>	Yellow-billed Tit-Tyrant	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anairetes parulus</i>	Tufted Tit-Tyrant	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Serpophaga cinerea</i>	Torrent Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Serpophaga subcristata</i>	White-crested Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0
<i>Serpophaga munda</i>	White-bellied Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Serpophaga</i> (?) sp. nov.	Undescribed species	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
<i>Phaeomyias murina</i>	Mouse-colored Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0

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<i>Capsiempis flaveola</i>	Yellow Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudocolopteryx sclateri</i>	Crested Doradito	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudocolopteryx flaviventris</i>	Warbling Doradito	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Pseudotriccus simplex</i>	Hazel-fronted Pygmy-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Corythopis torquata</i>	Ringed Antpitta	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
<i>Corythopis delalandi</i>	Southern Antpitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Euscarthmus meloryphus</i>	Tawny-crowned Pygmy-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Stigmatura budytoides</i>	Greater Wagtail-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Zimmerius bolivianus</i>	Bolivian Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Zimmerius gracilipes</i>	Slender-footed Tyrannulet	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Phylloscartes ophthalmicus</i>	Marble-faced Bristle-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Phylloscartes orbitalis</i>	Spectacled Bristle-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Phylloscartes ventralis</i>	Mottle-cheeked Tyrannulet	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Phylloscartes parkeri</i>	Cinnamon-faced Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Mionectes striaticollis</i>	Streak-necked Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Mionectes oleagineus</i>	Ochre-bellied Flycatcher	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mionectes macconnelli</i>	McConnell's Flycatcher	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Leptopogon amaurocephalus</i>	Sepia-capped Flycatcher	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Leptopogon superciliaris</i>	Slaty-capped Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Sublegatus modestus</i>	Southern Scrub-Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Inezia inornata</i>	Plain Tyrannulet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Myiornis albiventris</i>	White-bellied Pygmy-Tyrant	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0
<i>Myiornis ecaudatus</i>	Short-tailed Pygmy-Tyrant	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lophotriccus euphotes</i>	Long-crested Pygmy-Tyrant	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hemitriccus spodiops</i>	Yungas Tody-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hemitriccus flammulatus</i>	Flammulated Tody-Tyrant	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hemitriccus griseipectus</i>	White-bellied Tody-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hemitriccus iohannis</i>	Johannes's Tody-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hemitriccus margaritaceiventer</i>	Pearly-vented Tody-Tyrant	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	0	0
<i>Hemitriccus rufipectoralis</i>	Buff-throated Tody-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Poecilotriccus plumbeiceps</i>	Ochre-faced Tody-Flycatcher	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Poecilotriccus latirostris</i>	Rusty-fronted Tody-Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0
<i>Todirostrum cinereum</i>	Common Tody-Flycatcher	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
<i>Todirostrum chrysocrotaphum</i>	Yellow-browed Tody-Flycatcher	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rhynchocyclus olivaceus</i>	Olivaceous Flatbill	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Tolmomyias sulphurescens</i>	Yellow-olive Flycatcher	0	0	0	1	1	0	0	0	1	0	0	1	0	0	1	1	1	1	0	0	0	0	0
<i>Tolmomyias assimilis</i>	Yellow-margined Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Tolmomyias poliocephalus</i>	Gray-crowned Flycatcher	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Platyrinchus coronatus</i>	Golden-crowned Spadebill	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Platyrinchus platyrhynchos</i>	White-crested Spadebill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
<i>Onychorhynchus coronatus</i>	Royal Flycatcher	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myiophobus inornatus</i>	Unadorned Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Myiophobus fasciatus</i>	Bran-colored Flycatcher	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Terenotriccus erythrurus</i>	Ruddy-tailed Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Neopipo cinnamomea</i>	Cinnamon Tyrant-Manakin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pyrrhomystis cinnamomea</i>	Cinnamon Flycatcher	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Hirundinea ferruginea</i>	Cliff Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Lathrotriccus euleri</i>	Euler's Flycatcher	0	0	0	0	1	1	0	0	1	0	0	1	1	1	0	1	1	0	0	0	0	1	1
<i>Cnemotriccus fuscatus</i>	Fuscous Flycatcher	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Contopus fumigatus</i>	Smoke-colored Pewee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contopus sordidulus</i>	Western Wood-Pewee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Contopus virens</i>	Eastern Wood-Pewee	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Sayornis nigricans</i>	Black Phoebe	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Pyrocephalus rubinus</i>	Vermilion Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0
<i>Knipolegus hudsoni</i>	Hudson's Black-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Knipolegus signatus</i>	Andean Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Knipolegus aterrimus</i>	White-winged Black-Tyrant	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hymenops perspicillatus</i>	Spectacled Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Ochthornis littoralis</i>	Drab Water-Tyrant	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Satrapa icterophrys</i>	Yellow-browed Tyrant	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Muscisaxicola fluvialis</i>	Little Ground-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Muscisaxicola maculirostris</i>	Spot-billed Ground-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Muscisaxicola cinerea</i>	Cinereous Ground-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Muscisaxicola rufivertex</i>	Rufous-naped Ground-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Agriornis montana</i>	Black-billed Shrike-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Xolmis cinerea</i>	Gray Monjita	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0
<i>Xolmis velata</i>	White-rumped Monjita	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
<i>Xolmis irupero</i>	White Monjita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Myiotheretes striaticollis</i>	Streak-throated Bush-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Polioxolmis rufipennis</i>	Rufous-webbed Bush-Tyrant	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Fluvicola albiventer</i>	Black-backed Water-Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0
<i>Arundinicola leucocephala</i>	White-headed Marsh-Tyrant	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0
<i>Ochthoeca oenanthonoides</i>	D'Orbigny's Chat-Tyrant	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ochthoeca leucophrys</i>	White-browed Chat-Tyrant	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Colonia colonus</i>	Long-tailed Tyrant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Machetornis rixosus</i>	Cattle Tyrant	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0
<i>Legatus leucophaius</i>	Piratic Flycatcher	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
<i>Myiozetetes cayanensis</i>	Rusty-margined Flycatcher	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Myiozetetes similis</i>	Social Flycatcher	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myiozetetes luteiventris</i>	Dusky-chested Flycatcher	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pitangus sulphuratus</i>	Great Kiskadee	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	0	1	0
<i>Pitangus lictor</i>	Lesser Kiskadee	1	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Myiodynastes chrysocephalus</i>	Golden-crowned Flycatcher	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Myiodynastes luteiventris</i>	Sulphur-bellied Flycatcher	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Myiodynastes maculatus</i>	Streaked Flycatcher	1	1	1	0	0	1	0	0	1	1	0	0	0	1	0	0	0	0	1	0	0	1	1
<i>Megarynchus pitangua</i>	Boat-billed Flycatcher	0	1	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	1
<i>Tyrannopsis sulphurea</i>	Sulphury Flycatcher	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Empidonax varius</i>	Variegated Flycatcher	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Empidonax aurantioatrocristatus</i>	Crowned Slaty-Flycatcher	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0
<i>Tyrannus albogularis</i>	White-throated Kingbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Tyrannus melancholicus</i>	Tropical Kingbird	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
<i>Tyrannus savana</i>	Fork-tailed Flycatcher	1	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0
<i>Tyrannus tyrannus</i>	Eastern Kingbird	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Rhytipterna simplex</i>	Grayish Mourner	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sirystes sibilator</i>	Sirystes	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0
<i>Casiornis rufa</i>	Rufous Casiornis	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	0	1	0	0	1	0	0
<i>Myiarchus tuberculifer</i>	Dusky-capped Flycatcher	0	1	0	1	1	1	0	0	1	0	1	1	0	0	0	0	1	1	0	0	1	0	1
<i>Myiarchus swainsoni</i>	Swainson's Flycatcher	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myiarchus ferox</i>	Short-crested Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myiarchus cephalotes</i>	Pale-edged Flycatcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Myiarchus tyrannulus</i>	Brown-crested Flycatcher	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	1	1	0	1	1	0	1	0
<i>Ramphotrigon megacephala</i>	Large-headed Flatbill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Ramphotrigon ruficauda</i>	Rufous-tailed Flatbill	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Attila cinnamomeus</i>	Cinnamon Attila	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Attila bolivianus</i>	Dull-capped Attila	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Attila spadiceus</i>	Bright-rumped Attila	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0
<i>Tityra inquisitor</i>	Black-crowned Tityra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
<i>Tityra cayana</i>	Black-tailed Tityra	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0
<i>Tityra semifasciata</i>	Masked Tityra	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
<i>Schiffornis major</i>	Varzea Schiffornis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Schiffornis turdinus</i>	Thrush-like Schiffornis	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Laniocera hypopyrrha</i>	Cinereous Mourner	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Iodopleura isabellae</i>	White-browed Purpletuft	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Xenopsaris albinucha</i>	White-naped Xenopsaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Pachyramphus viridis</i>	Green-backed Becard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pachyramphus castaneus</i>	Chestnut-crowned Becard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Pachyramphus polychopterus</i>	White-winged Becard	0	0	0	0	0	1	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	0	0

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Pachyramphus marginatus</i>	Black-capped Becard	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pachyramphus minor</i>	Pink-throated Becard	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pachyramphus validus</i>	Crested Becard	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ampelion rubrocristatus</i>	Red-crested Cotinga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phytotoma rutila</i>	White-tipped Plantcutter	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pipreola frontalis</i>	Scarlet-breasted Fruiteater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Oxyruncus cristatus</i>	Sharpbill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Rupicola peruviana</i>	Andean Cock-of-the-Rock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Cotinga cayana</i>	Spangled Cotinga	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lipaugus vociferans</i>	Screaming Piha	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Conioptilon mcilhennyi</i>	Black-faced Cotinga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Gymnoderus foetidus</i>	Bare-necked Fruitcrow	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Querula purpurata</i>	Purple-throated Fruitcrow	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cephalopterus ornatus</i>	Amazonian Umbrellabird	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Neopelma sulphureiventer</i>	Sulphur-bellied Tyrant-Manakin	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tyrannetes stolzmanni</i>	Dwarf Tyrant-Manakin	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Machaeropterus pyrocephalus</i>	Fiery-capped Manakin	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lepidothrix coronata</i>	Blue-crowned Manakin	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chiroxiphia pareola</i>	Blue-backed Manakin	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chiroxiphia boliviensis</i>	Yungas Manakin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Pipra fasciicauda</i>	Band-tailed Manakin	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pipra chloromeros</i>	Round-tailed Manakin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Pipra rubrocincta</i>	Red-headed Manakin	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Piprites chloris</i>	Wing-barred Piprites	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Cyclarhis gujanensis</i>	Rufous-browed Peppershrike	0	0	0	1	0	1	0	0	1	0	1	1	0	1	0	1	1	1	1	0	0	0	0
<i>Vireolanius leucotis</i>	Slaty-capped Shrike-Vireo	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Vireo leucophrys</i>	Brown-capped Vireo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Vireo olivaceus</i>	Red-eyed Vireo	1	1	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0
<i>Hylophilus thoracicus</i>	Lemon-chested Greenlet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hylophilus pectoralis</i>	Ashy-headed Greenlet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hylophilus hypoxanthus</i>	Dusky-capped Greenlet	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hylophilus ochraceiceps</i>	Tawny-crowned Greenlet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Cyanolyca viridicyanocephala</i>	White-collared Jay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Cyanocorax violaceus</i>	Violaceous Jay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Pycnonotus leucogenys</i>	Purplish Jay	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0
<i>Cyanocorax chrysops</i>	Plush-crested Jay	0	0	0	1	1	1	0	0	1	0	1	1	1	0	1	1	1	0	1	0	0	0	0
<i>Cyanocorax yncas</i>	Green Jay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Tachycineta albiventer</i>	White-winged Swallow	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	1	0
<i>Tachycineta leucorrhoa</i>	White-rumped Swallow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Tachycineta meyeni</i>	Chilean Swallow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Progne tapera</i>	Brown-chested Martin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
<i>Progne chalybea</i>	Gray-breasted Martin	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Haplochelidon andecola</i>	Andean Swallow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pygochelidon cyanoleuca</i>	Blue-and-white Swallow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Atticora fasciata</i>	White-banded Swallow	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Stelgidopteryx ruficollis</i>	Southern Rough-winged Swallow	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Riparia riparia</i>	Bank Swallow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hirundo rustica</i>	Barn Swallow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Petrochelidon pyrrhonota</i>	Cliff Swallow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Campylorhynchus turdinus</i>	Thrush-like Wren	0	0	1	1	1	0	0	0	0	1	1	1	0	1	1	1	1	1	0	0	0	1	0
<i>Thryothorus genibarbis</i>	Moustached Wren	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Thryothorus leucotis</i>	Buff-breasted Wren	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thryothorus guarayanus</i>	Fawn-breasted Wren	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	0
<i>Troglodytes aedon</i>	House Wren	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1
<i>Troglodytes solstitialis</i>	Mountain Wren	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Henicorhina leucophrys</i>	Gray-breasted Wood-Wren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Microcerculus marginatus</i>	Scaly-breasted Wren	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Cyphorhinus arada</i>	Musician Wren	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Donacobius atricapilla</i>	Black-capped Donacobius	1	1	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0
<i>Microbates cinereiventris</i>	Half-collared Gnatwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ramphocaenus melanurus</i>	Long-billed Gnatwren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Polioptila dumicola</i>	Masked Gnatcatcher	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	0	0	0
<i>Cinclus schulzi</i>	Rufous-throated Dipper	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Myadestes ralloides</i>	Andean Solitaire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Catharus dryas</i>	Spotted Nightingale-Thrush	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Catharus ustulatus</i>	Swainson's Thrush	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Turdus fuscater</i>	Great Thrush	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Turdus chiguanco</i>	Chiguanco Thrush	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Turdus serranus</i>	Glossy-black Thrush	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Turdus nigriceps</i>	Slaty Thrush	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Turdus rufiventer</i>	Rufous-bellied Thrush	0	0	0	0	0	1	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0
<i>Turdus leucomelas</i>	Pale-breasted Thrush	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
<i>Turdus amaurochalinus</i>	Creamy-bellied Thrush	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0	0	0	0
<i>Turdus ignobilis</i>	Black-billed Thrush	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Turdus lawrencii</i>	Lawrence's Thrush	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Turdus hauxwelli</i>	Hauxwell's Thrush	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Turdus albicollis</i>	White-necked Robin	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Mimus saturninus</i>	Chalk-browed Mockingbird	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	1	0	0	0	0	0	0

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Mimus triurus</i>	White-banded Mockingbird	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Mimus dorsalis</i>	Brown-backed Mockingbird	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anthus lutescens</i>	Yellowish Pipit	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Anthus bogotensis</i>	Paramo Pipit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Coereba flaveola</i>	Bananaquit	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0
<i>Schistochlamys melanopis</i>	Black-faced Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cissopis leveriana</i>	Magpie Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Conothraupis speculigera</i>	Black-and-white Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nemosia pileata</i>	Hooded Tanager	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
<i>Hemispingus melanotis</i>	Black-eared Hemispingus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Thlypopsis sordida</i>	Orange-headed Tanager	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Thlypopsis ruficeps</i>	Rust-and-yellow Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Cynsnagra hirundinacea</i>	White-rumped Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trichothraupis melanops</i>	Black-goggled Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Eucometis penicillata</i>	Gray-headed Tanager	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0
<i>Tachyphonus cristatus</i>	Flame-crested Tanager	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tachyphonus rufiventris</i>	Yellow-crested Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Tachyphonus luctuosus</i>	White-shouldered Tanager	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Lanius versicolor</i>	White-winged Shrike-Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ramphocelus carbo</i>	Silver-beaked Tanager	1	1	0	1	1	0	0	0	0	1	0	1	0	0	0	0	1	1	0	0	1	1	1
<i>Thraupis episcopus</i>	Blue-gray Tanager	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thraupis sayaca</i>	Sayaca Tanager	0	0	0	0	0	1	0	0	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0
<i>Thraupis palmarum</i>	Palm Tanager	1	1	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	1	0
<i>Thraupis bonariensis</i>	Blue-and-yellow Tanager	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Anisognathus somptuosus</i>	Blue-winged Mountain-Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Pipraeidea melanonota</i>	Fawn-breasted Tanager	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Chlorochrysa calliparaea</i>	Orange-eared Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Tangara mexicana</i>	Turquoise Tanager	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tangara chilensis</i>	Paradise Tanager	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Tangara schrankii</i>	Green-and-gold Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Tangara arthus</i>	Golden Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Tangara xanthocephala</i>	Saffron-crowned Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Tangara chrysotis</i>	Golden-eared Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Tangara xanthogastra</i>	Yellow-bellied Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Tangara punctata</i>	Spotted Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Tangara gyrola</i>	Bay-headed Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Tangara cayana</i>	Burnished-buff Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tangara ruficervix</i>	Golden-naped Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Tangara cyanicollis</i>	Blue-necked Tanager	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0

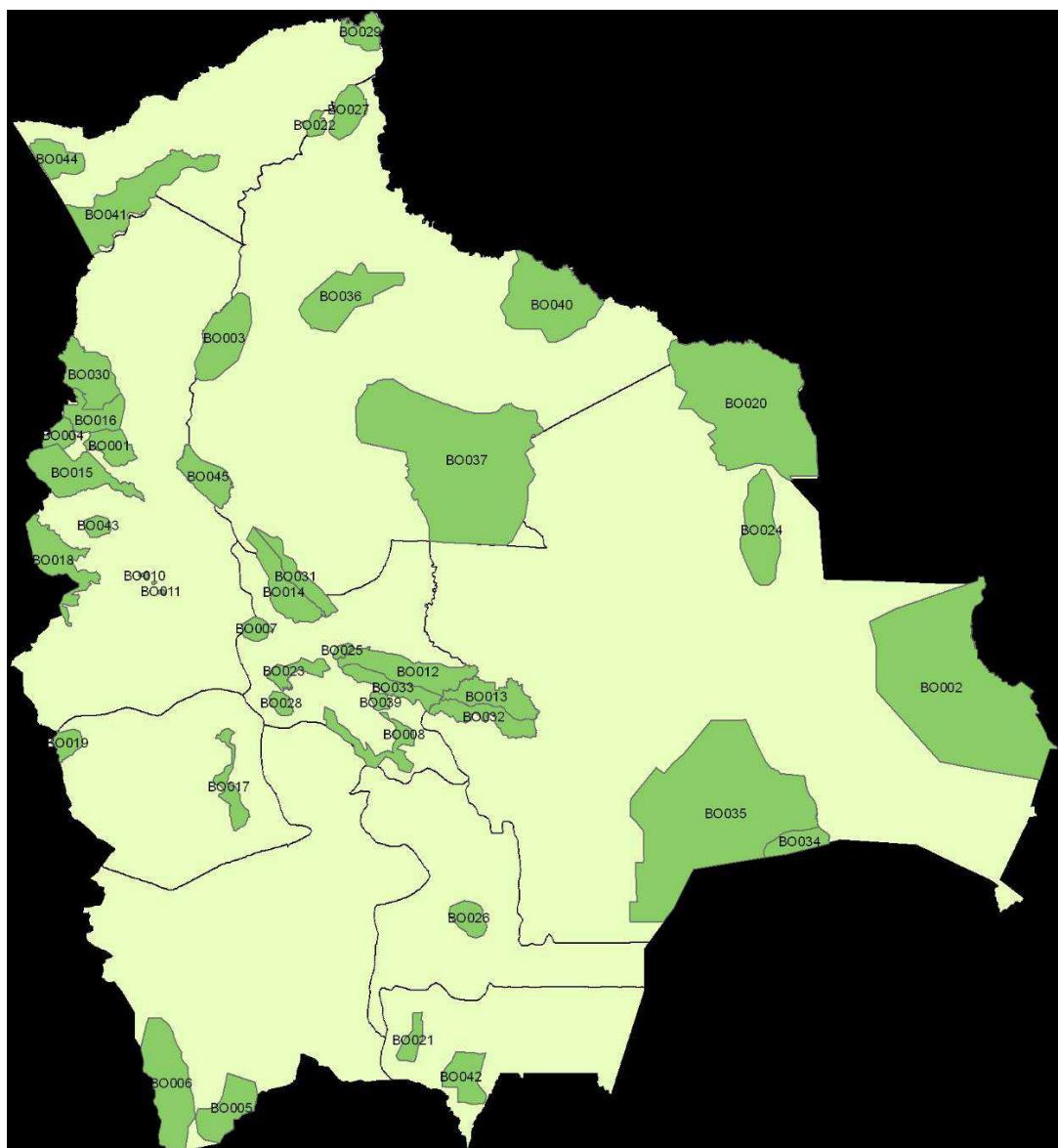
Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Tangara nigrocincta</i>	Masked Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tangara nigroviridis</i>	Beryl-spangled Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Tangara argyrophenges</i>	Green-throated Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Tangara velia</i>	Opal-rumped Tanager	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tersina viridis</i>	Swallow-Tanager	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
<i>Dacnis lineata</i>	Black-faced Dacnis	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Dacnis flaviventer</i>	Yellow-bellied Dacnis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dacnis cayana</i>	Blue Dacnis	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
<i>Cyanerpes caeruleus</i>	Purple Honeycreeper	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Cyanerpes cyaneus</i>	Red-legged Honeycreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chlorophanes spiza</i>	Green Honeycreeper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hemithraupis guira</i>	Guira Tanager	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0
<i>Hemithraupis flavicollis</i>	Yellow-backed Tanager	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Conirostrum speciosum</i>	Chestnut-vented Conebill	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	1	0
<i>Conirostrum cinereum</i>	Cinereous Conebill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Oreomanes fraseri</i>	Giant Conebill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Diglossa sitoides</i>	Rusty Flowerpiercer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Diglossa carbonaria</i>	Gray-bellied Flowerpiercer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Diglossa glauca</i>	Deep-blue Flowerpiercer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Catamblyrhynchus diadema</i>	Plushcap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chlorospingus ophthalmicus</i>	Common Bush-Tanager	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Piranga flava</i>	Hepatic Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Piranga olivacea</i>	Scarlet Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Piranga leucoptera</i>	White-winged Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Habia rubica</i>	Red-crowned Ant-Tanager	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0
<i>Chlorothraupis carnioli</i>	Carmiol's Tanager	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Euphonia chlorotica</i>	Purple-throated Euphonia	1	1	0	0	1	0	0	0	0	0	1	1	1	0	0	0	1	1	1	0	0	0	0
<i>Euphonia laniirostris</i>	Thick-billed Euphonia	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Euphonia cyanocephala</i>	Golden-rumped Euphonia	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1
<i>Euphonia chrysopasta</i>	Golden-bellied Euphonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Euphonia mesochrysa</i>	Bronze-green Euphonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Euphonia minuta</i>	White-vented Euphonia	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Euphonia rufiventris</i>	Rufous-bellied Euphonia	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Euphonia xanthogaster</i>	Orange-bellied Euphonia	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Chlorophonia cyanea</i>	Blue-naped Chlorophonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Zonotrichia capensis</i>	Rufous-collared Sparrow	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	1	1	0	0	0
<i>Ammodramus humeralis</i>	Grassland Sparrow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Ammodramus aurifrons</i>	Yellow-browed Sparrow	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0
<i>Phrygilus atriceps</i>	Black-hooded Sierra-Finch	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Scientific Name	English Name	28	29	30	31	32	39	40	41	42	44	45	46	47	48	49	50	51	52	53	54	55	56	58
<i>Phrygilus punensis</i>	Peruvian Sierra-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phrygilus fruticeti</i>	Mourning Sierra-Finch	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phrygilus unicolor</i>	Plumbeous Sierra-Finch	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phrygilus plebejus</i>	Ash-breasted Sierra-Finch	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Donacospiza albifrons</i>	Long-tailed Reed-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Diuca speculifera</i>	White-winged Diuca-Finch	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Poospiza boliviiana</i>	Bolivian Warbling-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Poospiza hypochondria</i>	Rufous-sided Warbling-Finch	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Poospiza erythrophrys</i>	Rusty-browed Warbling-Finch	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Poospiza melanoleuca</i>	Black-capped Warbling-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
<i>Sicalis citrina</i>	Stripe-tailed Yellow-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Sicalis uropygialis</i>	Bright-rumped Yellow-Finch	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sicalis luteocephala</i>	Citron-headed Yellow-Finch	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sicalis olivascens</i>	Greenish Yellow-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sicalis flaveola</i>	Saffron Finch	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	0	0	0	0
<i>Sicalis luteola</i>	Grassland Yellow-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Emberizoides herbicola</i>	Wedge-tailed Grass-Finch	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
<i>Embernagra platensis</i>	Great Pampa-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Volatinia jacarina</i>	Blue-black Grassquit	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0
<i>Sporophila plumbea</i>	Plumbeous Seedeater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila americana</i>	Wing-barred Seedeater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila collaris</i>	Rusty-collared Seedeater	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	0	0	0	0	0
<i>Sporophila lineola</i>	Lined Seedeater	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
<i>Sporophila nigriceps</i>	Yellow-bellied Seedeater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila caerulescens</i>	Double-collared Seedeater	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Sporophila leucoptera</i>	White-bellied Seedeater	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Sporophila nigrorufa</i>	Black-and-tawny Seedeater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila hypoxantha</i>	Tawny-bellied Seedeater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila hypochroma</i>	Rufous-rumped Seedeater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sporophila ruficollis</i>	Dark-throated Seedeater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Oryzoborus angolensis</i>	Lesser Seed-Finch	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0
<i>Oryzoborus maximiliani</i>	Great-billed Seed-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Catamenia analis</i>	Band-tailed Seedeater	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Catamenia inornata</i>	Plain-colored Seedeater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Catamenia homochroa</i>	Paramo Seedeater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tiaris obscura</i>	Dull-colored Grassquit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Arremon taciturnus</i>	Pectoral Sparrow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Arremon flavirostris</i>	Saffron-billed Sparrow	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
<i>Buarremon torquatus</i>	Stripe-headed Brush-Finch	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

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<i>Atlapetes rufinucha</i>	Rufous-naped Brush-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Atlapetes fulviceps</i>	Fulvous-headed Brush-Finch	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Saltatricula multicolor</i>	Many-colored Chaco-Finch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
<i>Coryphospingus cucullatus</i>	Red-crested Finch	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	1	0	0	1	1	0	0	0
<i>Paroaria coronata</i>	Red-crested Cardinal	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	1	0	0	0	0	0
<i>Paroaria gularis</i>	Red-capped Cardinal	1	1	0	0	0	0	0	0	0	1	1	0	0	1	1	0	1	1	0	0	0	1	0
<i>Paroaria capitata</i>	Yellow-billed Cardinal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pheucticus aureoventris</i>	Black-backed Grosbeak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
<i>Parkerthraustes humeralis</i>	Yellow-shouldered Grosbeak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Saltator grossus</i>	Slate-colored Grosbeak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0
<i>Saltator maximus</i>	Buff-throated Saltator	1	1	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	1	0	1
<i>Saltator similis</i>	Green-winged Saltator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
<i>Saltator coerulescens</i>	Grayish Saltator	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	1	0	0	0	0	0
<i>Saltator aurantiirostris</i>	Golden-billed Saltator	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
<i>Saltator atricollis</i>	Black-throated Saltator	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Saltator rufiventris</i>	Rufous-bellied Saltator	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cyanocompsa cyanoides</i>	Blue-black Grosbeak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cyanocompsa Brissonii</i>	Ultramarine Grosbeak	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	1	0	0	0
<i>Parula pitayumi</i>	Tropical Parula	0	0	0	0	0	1	0	0	1	0	0	1	1	1	1	1	1	0	1	1	1	0	1
<i>Geothlypis aequinoctialis</i>	Masked Yellowthroat	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	1
<i>Myioborus miniatus</i>	Slate-throated Redstart	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Myioborus brunniceps</i>	Brown-capped Redstart	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Basileuterus bivittatus</i>	Two-banded Warbler	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Basileuterus chrysogaster</i>	Golden-bellied Warbler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Basileuterus flaveolus</i>	Flavescence Warbler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Basileuterus signatus</i>	Pale-legged Warbler	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Basileuterus coronatus</i>	Russet-crowned Warbler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Basileuterus culicivorus</i>	Golden-crowned Warbler	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
<i>Basileuterus hypoleucus</i>	White-bellied Warbler	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Basileuterus tristriatus</i>	Three-striped Warbler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Phaeothlypis fulvicauda</i>	Buff-rumped Warbler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Phaeothlypis rivularis</i>	Riverbank Warbler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Psarocolius angustifrons</i>	Russet-backed Oropendola	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Psarocolius atrovirens</i>	Dusky-green Oropendola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Psarocolius decumanus</i>	Crested Oropendola	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Psarocolius bifasciatus</i>	Amazonian Oropendola	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cacicus solitarius</i>	Solitary Black Cacique	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
<i>Cacicus cela</i>	Yellow-rumped Cacique	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0
<i>Cacicus haemorrhouus</i>	Red-rumped Cacique	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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<i>Cacicus chrysopterus</i>	Golden-winged Cacique	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Icterus icterus</i>	Troupial	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	0	0	0	0	0
<i>Icterus cayanensis</i>	Epaulet Oriole	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	1	1	0	0	1
<i>Lampropsartanagrinus</i>	Velvet-fronted Grackle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Gnorimopsrchopi</i>	Chopi Blackbird	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	0	0	0
<i>Chrysosomuscyanopus</i>	Unicolored Blackbird	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0
<i>Chrysosomusruficapillus</i>	Chestnut-capped Blackbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Agelaioidesbadius</i>	Bay-winged Cowbird	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0
<i>Molothrusrufoaxillaris</i>	Screaming Cowbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Molothrusoryzivorus</i>	Giant Cowbird	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	1
<i>Molothrusbonariensis</i>	Shiny Cowbird	0	0	0	0	0	0	0	1	0	0	1	1	0	1	0	0	1	0	1	0	0	0	0
<i>Sturnellascircularis</i>	White-browed Blackbird	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cardueliscrassirostris</i>	Thick-billed Siskin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Carduelismagellanica</i>	Hooded Siskin	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
<i>Carduelisolivacea</i>	Olivaceous Siskin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Carduelisxanthogastra</i>	Yellow-bellied Siskin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Carduelisatrata</i>	Black Siskin	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Columba livia</i>	Rock Dove	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Species Totals		193	219	101	98	115	48	39	43	72	99	147	131	91	98	114	90	167	120	62	56	201	79	250

Appendix 4 - Map of Bolivian IBAs identified by the end of the Threatened Birds of Bolivia Project



Bolivian IBAs

Apolo BO001

ANMI San Matías BO002

Bajo Río Beni, Región Tacana BO003

Bosque de *Polylepis* de Madidi BO004

Lagunas de Agua Dulce de Potosí BO005

Lagunas Salinas de Potosí BO006

Cuenca Cotacajes BO007

Cuencas de los Ríos Caine y Mizque BO008

Bosque de *Polylepis* de Sanja Pampa BO009

Bosque de *Polylepis* de Mina Elba BO010

Bosque de *Polylepis* de Taquesi BO011

Yungas Inferiores de Carrasco BO012

Yungas Inferiores de Amboró BO013

Yungas Superiores de Mosetenes y
Cocapata BO014

- | | |
|----------------------------------------|-------------------------------------------|
| Yungas Superiores de Apolobamba BO015 | Yungas Inferiores de Madidi BO030 |
| Yungas Superiores de Madidi BO016 | Yungas Inferiores de Isiboro-Sécure BO031 |
| Lago Poopó y Río Laka Jahuira BO017 | Yungas Superiores de Amboró BO032 |
| Lago Titicaca (Sector Boliviano) BO018 | Yungas Superiores de Carrasco BO033 |
| Parque Nacional Sajama BO019 | Palmar de las Islas BO034 |
| Noel Kempff Mercado BO020 | KAA-Iya del Gran Chaco BO035 |
| Reserva Biológica Cordillera de Sama | Lagunas Rogagua y Rogaguado BO036 |
| BO021 | Norte de Trinidad BO037 |
| Cercanías de Riberalta BO022 | Quebrada Mojón BO039 |
| Vertiente Sur del PN Tunari BO023 | Reserva de Inmobilización de Iténez BO040 |
| Alto Paraguá BO024 | Reserva Nacional Amazónica Manuripi |
| Cristal Mayu y Alrededores BO025 | BO041 |
| Azurduy BO026 | RNFF Tariquia BO042 |
| Cerrado de Riberalta BO027 | Tacacoma-Qui abaya y Valle Sorata BO043 |
| Cerro Q'ueñwa Sandora BO028 | Tahuamanu BO044 |
| Federico Román BO029 | Yungas Inferiores de Pilón Lajas BO045 |

Appendix 5 - Conservación de Aves Amenazadas de los bosques de *Polytaxis* en Bolivia

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Resumen

Los bosques de *Polytaxis* están distribuidos en los Andes y constituyen un hábitat único para muchas especies de aves, entre ellas, especialistas de *Polytaxis*, como *Anairetes alpinus* y *Cinclodes aricomae*. La cordillera Real posee bosques de *Polytaxis* que albergan las únicas poblaciones conocidas de *A. alpinus* y *C. aricomae* en Bolivia. Estas especies están bajo la categoría de “en Peligro” y “Críticamente amenazado” respectivamente, según la UICN; y además, se encuentran en la lista del Libro Rojo de Vertebrados de Bolivia. El tamaño de la población de estas dos especies a nivel mundial es reducido y está declinando, siendo su principal amenaza la pérdida de su hábitat. La extensión de los bosques de *Polytaxis* está declinando rápidamente debido a actividades humanas como la extracción de leña, introducción de ganado y la deforestación para cultivo.

En una primera fase de nuestro proyecto determinamos la distribución de parches de *Polytaxis* en la Cordillera Real, los cuales fueron visitados y a través de búsquedas intensivas registramos 19 subpoblaciones de *Anairetes alpinus* y 5 de *Cinclodes aricomae*. Lamentablemente, se tiene poca información acerca de estas dos especies de aves, por lo que el objetivo para esta segunda fase del proyecto es recabar información acerca de la biología de *Anairetes alpinus* y *Cinclodes aricomae* en los bosques de *Polytaxis* de la Cordillera Real para establecer una estrategia de conservación. Se intentará alcanzar el objetivo considerando seis acciones: (1) Se continuará la búsqueda de los bosques de *Polytaxis* y la de *A. alpinus* y *C. aricomae* en la Cordillera Real. (2) Se realizarán estudios acerca de la biología de *A. alpinus* y *C. aricomae*: reproducción, tamaño de territorio, uso de los recursos alimenticios, uso del microhábitat y movimientos locales. (3) Se realizarán estudios acerca de *Polytaxis pepei*: tasa de crecimiento, tasa de germinación; dendrocronología y datación de los incendios que afectaron a los bosques. (4) Se determinará las áreas más importantes para conservación de las especies y su hábitat. (5) Se realizarán talleres de educación ambiental y talleres participativos con las comunidades que usen los bosques de *Polytaxis* en la Cordillera Real. (6) Se propondrá un plan de conservación de acuerdo a la información obtenida.

1. Introducción

Las regiones montañosas en los Andes, arriba de los 4000 m, están principalmente cubiertos por estepa y pastizales, la vegetación alpina o de puna. Sin embargo, pueden encontrarse parches de bosque pequeños bastante alto sobre el límite forestal “usual.” Estos bosques consisten principalmente en árboles siempreverdes del género *Polytaxis*, los cuales están bien adaptados a crecer bajo condiciones climáticas extremas en esta zona (Fjeldsa y Kessler 1996).

Los bosques de *Polytaxis* se encuentran a menudo en los cañones profundos y barrancos, a lo largo de las corrientes de agua y al bode de precipicios empinados (Fjeldsa y Krabbe 1990, Clements y Shany 2001). Los estudios recientes revelan que sólo una porción de estos bosques

permanece actualmente, y los *Polylepis* están restringidos a "hábitats especiales", debido al impacto humano. El principal factor de su destrucción ha sido la quema y la tala. Por esta razón, actualmente muchos de los bosques de *Polylepis* persisten solo en las áreas que son difíciles de quemar, sobre todo en las cuestas rocosas y empinadas. Los bosques de *Polylepis* representan un recurso de la madera en una zona donde ningún otro árbol puede crecer. Muchos de estos bosques tienen una diversidad biológica importante, ya que mantienen poblaciones de fauna endémica o asociada a este hábitat, y también a especies de elevaciones mas bajas que usan los bosques de manera marginal (Fjeldsa y Kessler 1996).

1.1 Especies de estudio:

- *Anairetes alpinus*

Anairetes alpinus es un tiránido pequeño con distribución muy restringida y habita en parches aislados de bosques de *Polylepis* con sotobosque de arbustos de *Gynoxys* a una elevación de 3,600-4,600 m en Perú y Bolivia. Se encuentra solo o en pareja, volando a través o por arriba del dosel (Ridgely y Tudor 1994, (Fjeldsa y Krabbe 1990), Clements y Shany 2001). Existen dos subespecies (*Anairetes alpinus alpinus* y *Anairetes alpinus bolivianus*). La subespecie A. a. *alpinus* se encuentra en las montañas de los Andes Central y Occidental (La Libertad, Ancash, y Lima), Perú. La subespecie A. a. *bolivianus* se distribuye en los Andes Orientales (Apurimac y Cuzco), Perú, y en la Cordillera Real (La Paz), Bolivia (BirdLife International 2000).

En Bolivia la subespecie A. a. *bolivianus* fue colectada por primera vez en 1935, en Tilo Tilo (localidad sin registro en mapas actuales), Depto. La Paz. Este registro había sido considerado como el único de esta especie para Bolivia (Rocha y Quiroga 1994). Sin embargo, en 1993 la especie fue registrada nuevamente, cuando un grupo de tres individuos fue observado por Sjoerd Mayer en el valle de Choquetanga, donde se encuentran relictos de *Polylepis pepei* (Hennessey 2000), y dos parejas de A. a. *bolivianus* fueron registradas en Sanja Pampa en un bosque de *Polylepis* dentro del PNANMI-Cotapata (Vogel y Hennessey 2002). En los últimos dos años, como resultado de la primera fase de nuestro proyecto se registraron 19 subpoblaciones de A. a. *bolivianus* a lo largo de la Cordillera Real a través de búsquedas intensivas (Gómez et al. *in prep.*).

- *Cinclodes aricomae*

Cinclodes aricomae es raro y solo se encuentra en bosques de *Polylepis* en pendientes rocosas del páramo del sudeste de Perú y del oeste de Bolivia (Fjeldsa y Krabbe 1990, Clements y Shany 2001). Está categorizado como una Especie Críticamente Amenazada según el criterio de la Lista Roja de la UICN por BirdLife International (2000), porque la especie tiene una población pequeña que está declinando y es altamente fragmentada. El tamaño del territorio es aproximadamente de 3 - 4 hectáreas. Engblom (2002), sugiere que la población mundial es probablemente menos de 250 parejas. Es probable que la especie requiera territorios relativamente grandes con capas de musgo donde con su pico fuerte pueda atrapar los invertebrados. *Cinclodes aricomae* es un ave sensible a las actividades humanas, debido a que cuando se quema los bosques, la capa de musgo de las piedras, troncos y ramas desaparece rápidamente.

En Bolivia hay poca información de esta especie desde hace varios años. En 1935 fue registrada por primera vez en Tilo Tilo. En el 2000 Thomas Valqui (pers. com) observó un individuo de esta especie en Puina dentro el Parque Nacional y Área de Manejo Integral Madidi, otro individuo también fue reportada en bosques de *Polylepis* dentro del Parque Nacional y el Área Natural de Manejo Integrado- Cotapata (Vogel y Davis 2002). Durante la primera fase del proyecto otras tres subpoblaciones fueron reportadas recientemente, una dentro del PNANMI-Madidi, otra dentro PNANMI-Cotapata y otra en un bosque contiguo a esta área protegida (Gómez et al. *in prep.*).

Tanto *A. alpinus* como *C. aricomae* tienen poblaciones altamente fragmentadas y el estado de su población es poco conocido. Aunque no hay información cuantitativa sobre la distribución de esta especie, Fjeldsa y Krabbe (1990) consideran que estas especies probablemente enfrentan extinción en un futuro muy cercano, si no se emprenden medidas de conservación, considerando la rápida deforestación de los bosques de *Polylepis*.

La información sobre el estado de las poblaciones, distribución y varios aspectos de biología es indispensable para crear una estrategia para la conservación de estas especies.

1.2 Hábitat: Bosques de *Polylepis pepei*

Todas las poblaciones conocidas de *A. alpinus* y *C. aricomae* se han registrado en bosques de *Polylepis pepei*, y solamente se han localizado en la pendiente oriental de la Cordillera Real. *Polylepis pepei* fue descrito como un arbusto o pequeño árbol de aproximadamente 4 metros (Simpson 1979). Es una especie rara, conocida solamente entre 3450 - 4100 m s.n.m., arriba del límite de bosques de Yugas, en la zona de transición entre puna y bosque montano. Generalmente crece junto a otros arbustos como *Escallonia* o *Gynoxis* ssp., y prefiere áreas con niebla (Fjeldsa y Kessler 1996). Se requiere esfuerzos para la conservación de *Polylepis pepei*, ya que es una especie altamente susceptible al impacto humano y esta categorizado como VULNERABLE por la IUCN (2002).

2. Objetivos

2.1 Objetivo principal:

Obtener información acerca de la biología de *Anairetes alpinus* y *Cinclodes aricomae* en los bosques de *Polylepis* de la cordillera Real para establecer una estrategia de conservación.

2.2 Objetivos secundarios:

- Determinar la distribución de los bosques de *Polylepis pepei*, *A. alpinus* y *C. aricomae* en la Cordillera Real.
- Determinar la biología reproductiva de *A. alpinus* y *C. aricomae*.
- Determinar el tamaño de bosque de *Polylepis* necesario para mantener las poblaciones de *A. alpinus* y *C. aricomae*.
- Determinar el uso de los recursos alimenticios y de microhábitat de *A. alpinus* y *C. aricomae*.
- Relacionar la presencia de *A. alpinus* y *C. aricomae* respecto a factores bióticos y abióticos de los bosques de *Polylepis*.
- Determinar aspectos de la biología de *Polylepis pepei*.

- Determinar la datación de los bosques y de los incendios que los afectaron.
- Realizar talleres para la conservación del hábitat.
- Proponer un plan de conservación para las especies y su hábitat.

3. Área de Estudio

Páramo Yungueño de la Cordillera Real

La vertiente oriental de la Cordillera Real representa el piso de Páramo Yungueño (Ribera et al. 1994), caracterizado por un clima templado - frío y húmedo. El área recibe entre 750 a 1000 mm de precipitación pluvial anual, y la temperatura oscila entre 6 a 12 °C. La vegetación está conformada por bosques bajos y matorrales (I.G.M. 1994), ocasionalmente presenta parches de plantas cubiertas de musgo (*Buddleia incana*, *Escallonia*, *Gynoxis*, *Polylepis*) (Fjeldsa y Krabbe 1990).

En esta zona se encuentran relictos de *Polylepis pepei* y *Gynoxys asterotricha* (Gómez et al. *in prep.*). Los relictos que se encuentran en el valle de Choquetanga, han sido identificados por Wege y Long (1995) como una de las áreas importantes para la conservación de las aves (BO15) y designada como Área Endémica de Aves (B35), porque es uno de los pocos lugares en el mundo donde se ha observado *Anairetes alpinus*. Desde 2003 se han designado tres Áreas Importantes para la Conservación de las Aves (AICAs) en la zona, principalmente para la conservación de *Anairetes alpinus* y *Cinclodes aricomae* (Gómez et al. *in prep.*).

Los impactos actuales y potenciales de esta zona son: (1) Pastoreo: es una amenaza que posiblemente ha limitado a los bosques de *Polylepis* a los lugares rocosos y empinados, inaccesibles al ganado, causando una mayor fragmentación, (2) Quema: Los bosques tienen áreas que han sido quemadas y han causado una reducción considerable en la cantidad de cubierta vegetativa dejando al suelo menos protegido contra la radiación solar y la erosión, (3) Uso de madera: Éste es claramente uno de los factores principales que causó la destrucción de los bosques en el pasado, y que todavía continúa (Hennessey 2000, Gómez et al. *in prep.*).

4. Metodología

4.1 Distribución de los bosques de *Polylepis*, *Anairetes alpinus* y *Cinclodes aricomae*.

4.1.1 Distribución de los bosques de *Polylepis*

Durante la primera fase del proyecto, se utilizó un sistema de información geográfico (SIG) para estimar la distribución potencial de los bosques de *Polylepis* en la Cordillera Real. Para la base de información, se usó mapas cartográficos de la Cordillera de La Paz y Apolobamba, obtenidos en el Instituto Geográfico Militar. También se utilizó fotografías aéreas. Para la identificación de los parches de *Polylepis*, se creó un modelo utilizando los parámetros de elevación, pendiente y proximidad a cuerpos de agua como arroyos y ríos. El análisis se realizó en grillas de 30 x 30m por ArcView 3.3. Por razones de presupuesto y tiempo de ejecución del proyecto, se identificaron y visitaron los bosques de *Polylepis* más accesibles detectados dentro de esta área. Los bosques en la cordillera de La Paz fueron visitados por mi persona y mis colegas, y los de Apolobamba fueron visitados por Daniel Hagaman, Esther Alnum, Carolina García y mi persona. Durante esta

segunda fase se visitarán otros bosques que no fueron visitados en la primera fase tanto en la Cordillera de La Paz como en Apolobamba.

4.1.2 Distribución y estado poblacional de *Anairetes alpinus* y *Cinclodes aricomae*

Para determinar la distribución, primero se determinará la presencia o ausencia de *Anairetes alpinus* y *Cinclodes aricomae* en los bosques. Se dirigirá una búsqueda intensiva de las especies en los bosques seleccionados, utilizando la metodología para estudios de especies con densidad baja (Bibby et al. 1992). En cada bosque se establecerán transectos paralelos a 200 m de distancia entre sí, cubriendo toda el área, y los investigadores recorrerán el transecto entre 8:00 y 11:00. Se registrará si se ha observado y/o escuchado algún individuo de *A. alpinus* o *C. aricomae*. La reproducción de la grabación del canto (playback) se utilizará cada 100m para determinar la presencia o ausencia de las especies (Legare et al. 1999). Para este propósito se utilizarán las grabaciones del canto de “contacto” de *A. alpinus* y la vocalización de *C. aricomae*. Cada observador usará binoculares de 10 x 40 y un equipo de reproducción de sonido. Se repetirá el mismo procedimiento por cada bosque de *Polylepis*. La observación durará de 2 a 3 días en cada área que contenga parches de *Polylepis*, dependiendo del tamaño de éstos.

Para estimar el tamaño de las poblaciones, se tomará en cuenta los individuos observados de *A. alpinus* y *C. aricomae*. Para este propósito, cada investigador recorrerá el transecto a una velocidad regular de aproximadamente 1-2 Km/h y registrará todos los individuos observados a lo largo del mismo (Bibby et al. 2000). Para *A. alpinus* se considerará que el factor de observabilidad no afectará a los conteos, ya que no tiene hábitos crípticos y los bosques de *Polylepis* constituyen formaciones arbustivas poco densas, facilitando de esta manera la visibilidad de las aves que se mueven en el follaje. De esta manera se podrá estimar cuantos individuos hay por transecto y se podrá estimar el número total de individuos en cada bosque. Para conocer el estado de la población, se utilizará los resultados de estimaciones poblacionales en cada bosque y la densidad estimada promedio en éstos. Para este propósito se seguirá los criterios de categorización de la Lista Roja de la IUCN para especies de aves.

Se reunirá la información obtenida y mediante un sistema de información geográfica (ArcView), se mapearán los bosques visitados, ya sea que cuenten o no con la presencia de *A. alpinus* y *C. aricomae*. A través de este método, se identificarán las áreas en las que se han observado las especies como importantes para su conservación y de su hábitat.

4.2 Caracterización del hábitat

En los bosques visitados, se recabará información del hábitat; densidad de la vegetación, altura de la vegetación, porcentaje de *Polylepis* y el tamaño de los árboles de *Polylepis*. Además se realizarán colectas de muestras fértiles y estériles de cada especie (3 copias), para su posterior identificación en el Herbario Nacional de Bolivia. También se describirá la fisonomía de la vegetación describiendo el porcentaje de herbáceas, suelo cubierto, suelo desnudo y rocas. De cada bosque de *Polylepis* visitado, también se registrará su pendiente, exposición, la posición geográfica utilizando un GPS, y se calculará el área que abarca.

4.3 Biología de *Anairetes alpinus* y *Cinclodes aricomae*.

En esta segunda fase, se enfocará el estudio de biología de *Anairetes alpinus* y *Cinclodes aricomae* a tres parches de *Polylepis pepei*, en la zona de Sanja Pampa dentro del PN-ANMI

Cotapata. En la primera etapa del proyecto, se identificó estos parches porque mantienen tres subpoblaciones de *Anairetes alpinus* y una de *Cinclodes aricomae*, además de su rápida y fácil accesibilidad. Es importante señalar que estas subpoblaciones que serán estudiadas de *Anairetes alpinus* y *Cinclodes aricomae* representan un 15.7% y 20% respectivamente de todas las poblaciones conocidas hasta el momento en la Cordillera Real.

4.3.1 Biología reproductiva.

Muchas de las especies de aves amenazadas son especialistas de cierto hábitat y, por lo tanto, son sensibles a los cambios del hábitat. Con el censo de los nidos se podrán determinar las características del hábitat, porque la disponibilidad de lugares para la nidificación puede limitar el tamaño de la población (Bibby et al. 2000). Ya que se desconoce la época reproductiva de estas especies, se visitará a la zona cada mes para contar el número de parejas en reproducción. Cada visita durará cinco días y se realizarán búsquedas intensivas y censos de los nidos activos de *Anairetes alpinus* y *Cinclodes aricomae*. Una vez ubicados los mismos, se realizará unas visitas adicionales para determinar la tasa de éxito reproductivo, tasa de alimentación y de visita de los adultos al nido, características del territorio de nidificación, radio y área (Figura1). Una vez terminada la época reproductiva se accederá a los nidos y se tomarán otros datos de las características del nido: altura, vegetación, forma, posición horizontal y vertical, datos de profundidad y material con el que están construidos. Ya que durante la época reproductiva los individuos son mas susceptibles a la presencia de depredadores, se empleará un telescopio para la observación de los nidos, lo cual permitirá que el investigador no afecte al éxito reproductivo de las especies. De igual manera no se emplearan banderas o marcas visuales para marcar los nidos encontrados, para que éstos no sean fácilmente detectados por otros animales.

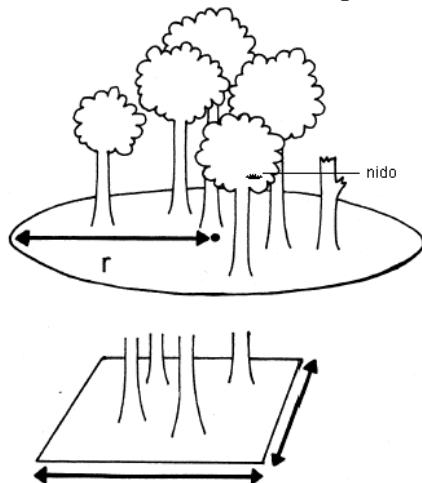


Figura 1. Determinación de las características del territorio reproductivo

4.3.2 Determinación del tamaño de territorio y movimientos locales de *Anairetes alpinus*

Se marcarán la mayoría de los individuos de las tres subpoblaciones de *Anairetes alpinus* utilizando anillos del color. En este momento, se estima que estos tres subpoblaciones están compuestas de alrededor de 27 individuos según al censo realizado anteriormente. Cada individuo será capturado con red niebla y anillado con una combinación de colores única, para luego poder ser reconocido de manera individual. Una vez abierta la red niebla, ésta será

observada continuamente e inmediatamente caiga un individuo, éste será liberado de la red.; el marcado se lo realizará de manera rápida y eficiente para evitar dañar a los individuos. En caso de lluvia o mal tiempo, las redes no serán abiertas. El anillamiento tiene muchos usos a largo plazo para varios estudios ecológicos (Bibby et al. 2000), una vez anillado, el individuo será liberado y se lo observará y monitoreará de manera mensual durante dos años para determinar su tamaño de territorio, tamaño de bosque de *Polylepis* que utiliza, movimientos locales, movimientos entre parches de *Polylepis* y tamaño de territorio reproductivo. Cada investigador realizará estas observaciones durante las horas de mayor actividad en el día y se observará a un individuo u pareja por bosque con binoculares 10x40. Los territorios serán mapeados con un GPS (Garmin) y analizados con SIG. La etapa de anillamiento lo realizará M. Isabel Gómez con una experiencia de 6 años de trabajo con redes niebla y anillamiento de aves pequeñas, también se contará con la participación de Kazuya Naoki con 15 años de experiencia con redes niebla y anillamiento de aves.

Con la información obtenida de este estudio podremos estimar el tamaño de bosque necesario para la supervivencia de la especie, así como también la capacidad de carga de los bosques de *Polylepis*. Lo cual es fundamental para la elaboración de estrategias de conservación de la especie y su hábitat.

4.3.3 Uso de los recursos alimenticios y uso de microhábitat

Se filmará el comportamiento de forrajeo de *A. alpinus* y *C. aricomae* en los tres bosques de *Polylepis* con una filmadora Sony. La filmación se la realizará durante una semana cada bimensualmente. Posteriormente se analizarán las grabaciones para determinar las características del forrajeo, como, preferencia de especie de plantas, estrato de planta y porción del bosque en la que se mueven. También se analizará la tasa de forrajeo en diferentes plantas y microhábitats. Se cuantificará la proporción de uso de los sustratos en el cual forrajean las especies (follaje, musgo, ramas). Con esta información podremos determinar en qué proporción las especies utilizan los bosques de *Polylepis*, y de que manera lo hacen. De este modo se podrá priorizar determinados estratos del bosque para su conservación.

Se analizará la composición de la comunidad de musgos y su diversidad en parches con y sin *Cinclodes aricomae*. Se tomará en cuenta el estado de conservación de los parches para determinar en qué grado la tala y quema afectan al microhábitat de esta especie.

Para el estudio de cuantificación de los recursos disponibles, se realizarán muestreos bimestrales de los artrópodos presentes en los diferentes estratos de los parches, así se podrá determinar las fluctuaciones de masa y taxa de artrópodos durante la época húmeda y seca. Las muestras serán depositadas en la Colección Boliviana de Fauna y también se consultará a expertos para su identificación.

4.4 Biología de los bosques de *Polylepis pepei*.

4.4.1 Crecimiento y germinación

Se determinará la tasa de crecimiento y germinación de *Polylepis pepei* en los tres parches de bosque en Sanja Pampa. Se cuantificará el número de yemas y se medirá la distancia internodal de las ramas de manera mensual, para estimar el crecimiento. Se sembrarán semillas de *P. pepei* tanto en semilleros (en suelos mixtos 1:1 de arena y turba, ver Fjeldsa y Kessler (1996)) como en

cajas petri para determinar la tasa de germinación de la especie. Al mismo tiempo se sembrarán semillas en cajas petri y se las someterá un ambientales de condiciones de varias temperaturas y radiaciones para así poder determinar las características óptimas para su germinación.

4.4.2 Dendrocronología y datación de incendios

Se obtendrán 10 muestras entre muestras vivas y muertas por bosque visitado. Las muestras muertas se compondrá de muestras de troncos que se encuentren ya cortados por la gente local y para obtener las muestras vivas se escogerán 5 árboles de *Polylepis* y se extraerán cortes de la rama más basal por árbol de largo variable dependiente del diámetro de cada árbol. Posteriormente las cicatrices serán cubiertas con cera de abeja para proteger al árbol y evitar posteriores infecciones por agentes patógenos.

Se realizará un análisis microscópico de los anillos de crecimiento de las muestras. Se efectuarán cortes transversales entre 15–20 μm de espesor, empleando un micrótomo de deslizamiento. Los cortes serán teñidos mediante safranina en solución alcohólica al 5% deshidratados por una cadena ascendente de alcoholes y posteriormente, montados entre porta y cubreobjetos mediante bálsamo de canadá (técnica fast-green). Las observaciones se realizaran mediante un microscopio óptico.

La superficie transversal de cada muestra será mecánicamente pulida primero con una lijadora eléctrica y posteriormente a mano, se utilizará papel de lija con diferentes texturas de forma ascendente (60, 80, 150 y 130). Las muestras se pulirán hasta que adquirieran un brillo espejado y sin rayas producidas por las lijas de menor número. Se determinarán cicatrices producidas por incendios mediante la identificación de la característica disruptión y curación de heridas en el patrón de crecimiento de anillos. La datación de los incendios se ejecutará a través del cofechado. Para determinar la época en la cual se produjo el incendio se observará si la cicatriz se encuentra al principio de la formación del leño de primavera (PP), medio del leño de primavera (MP), final del leño de primavera (FP), leño de verano (LV) o indeterminado (ID) (Caprio y Swetman 1995)

Una vez medidos los anillos de crecimiento de las muestras se utilizará el programa COFECHA (Holmes 1983) que permitirá determinar la calidad de las mediciones y realizará el cofechado (asignación del año que se formó cada anillo). Posteriormente se analizará con el programa ARSTAN que permitirán generar las cronologías de anillos de crecimiento. Este programa, además de realizar las cronologías, remueve la tendencia de crecimiento de largo plazo asociada al incremento en tamaño y edad del árbol y las diferencias del crecimiento absoluto debidas a condiciones fisiológicas o microecológicas entre los árboles (Cook y Holmes 1986).

4.5 Conservación del hábitat.

4.5.1 Talleres participativos

Los bosques de *Polylepis* son uno de los recursos que sirven como leña en la zona de páramo yungueño. Por eso, es un recurso que ha sido y aún es utilizado por las comunidades locales. Para que se pueda mantener los bosques y evitar que estos sigan disminuyendo, es necesario coordinar trabajos con la gente local. En este marco, durante la primera fase del proyecto y con la colaboración de un antropólogo, Daniel Hagaman, se identificaron cinco comunidades a lo largo

de la Cordillera Real que albergan y hacen uso de los bosques de *Polyolepis pepei*. En tres de estas comunidades, se realizaron encuestas acerca sus necesidades y el uso de los bosques de *Polyolepis*. En base a la información obtenida de estas encuestas, durante esta segunda fase se realizarán talleres de educación ambiental y participativos con estas comunidades. Se coordinará con las autoridades locales de cada comunidad para realizar estas actividades y estas actividades principalmente estarán dirigidos a la valoración de los recursos tanto del bosque como de la fauna que este mantiene, también estarán dirigidos a la elaboración de alternativas para su conservación.

4.6 Plan de conservación para las especies y su hábitat.

Se elaborará un plan para la conservación de las especies en base a los resultados del uso de los recursos, del hábitat, tamaño mínimo de territorio que requieren, monitoreo de las poblaciones y otra información que se genere. En relación a áreas protegidas, el plan se enfocará especialmente en los Parques Nacionales de Cotapata, Apolobamba y Madidi, acorde a los planes de manejo elaborados para cada una de las áreas, enfatizando en las Áreas Naturales de Manejo Integrado, ya que allí se encuentran comunidades locales con las que se podría coordinar los esfuerzos de conservación. Las zonas que mantengan bosques de *Polyolepis* con poblaciones de *A. alpinus* y *C. aricomae* (actuales y potenciales) que se encuentren fuera de cualquier instancia de conservación, podrán ser sugeridas para constituirse en potenciales Áreas Importantes para la Conservación de las Aves (AICAs) (Bibby et al. 2000). Lo cual permitirá que se realicen más estudios para nominarlas AICAs definitivas para Bolivia. Finalmente con toda la información generada se propondrá estrategias de conservación del hábitat natural de estas especies.

5. Cronograma

Actividades	Mes																								
	E	F	M	A	M	J	J	A	S	O	N	D	E	F	M	A	M	J	J	A	S	O	N	D	
Revisión bibliográfica	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Elaboración de la distribución potencial de los bosques de <i>Polylepis</i>		X	X	X																					
Distribución de <i>Anairetes alpinus</i> y <i>Cinclodes aricomae</i>		X	X	X																					
Visita a los bosques de <i>Polylepis</i>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Caracterización de los bosques de <i>Polylepis</i>			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Estudios de biología reproductiva de las aves				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
Determinación del tamaño de territorio				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Uso de los recursos					X		X		X		X		X		X		X		X		X		X		
Crecimiento y germinación de <i>Polylepis</i>				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Dendrocronología	X	X	X				X	X	X	X	X														
Talleres participativos	X				X				X				X				X				X			X	
Elaboración del plan de conservación																						X	X	X	X
Realización de informes preliminares						X	X				X	X					X	X							
Informe final																						X	X	X	
Presentación del resultado a financiadores e instituciones nacionales (MNHN, SERNAP, DGB)																								X	

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