A review of avifaunal records from Mindo, Pichincha province, north-western Ecuador

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Es provista la primera lista de la avifauna de Mindo en la provincia de Pichincha, en el noroesta de Ecuador; 334 especies han sido positivamente identificadas en las inmediaciones del pueblo. Es focalizada especial atención en las especies endémicas que ocurren en el area, así como en las cinco especies amenazadas (Haplophaedia lugens, Acestrura bombus, Grallaria gigantea, Lathrotriccus griseipectus e Oreothraupis arremonops), e en las once especies casi amenazadas. Detalles de la extensión de varios importantes hábitats que ocurren en la región de Mindo son presentadas, siendo también resumidas las oportunidades para la observación de aves. Son listados contactos locales, ya que es una lista completa de las especies conocidas para la región.

Introduction

Among Andean countries the ornithological exploration of Ecuador started comparatively late, toward the end of the nineteenth century^{4,8,11,12,13,20}. Between then and the early part of the twentieth century most material was obtained by indigenous collectors⁸. Following this, several North American and European expeditions were mounted, covering much of the country, allowing Chapman⁴ to attempt a thorough synthesis of the Ecuadorian avifauna. Recent interest has been sustained by the work of scientific expeditions and numerous individuals; in consequence Ecuador is now one of the ornithologically better known South American countries^{14,15,25}.

However many areas remain poorly documented or virtually wholly unexplored. Although Mindo was visited by early collectors and is now a well known birding site, the area has never been subject to a systematic ornithological survey. No detailed review of its avifauna has been published. Conservationists working in Mindo lack biological inventories for the area, and during a field trip in December 1991 and January 1992 GMK and TM were asked to supply bird records. An unpublished report was prepared detailing their observations. For the present review a full species inventory has been compiled (see appendix), additional records having been assembled from the literature, unpublished trip reports, and information supplied in response to requests for information in a number of journals. We consider 'Mindo' here to be areas within c. a 1/2 days walk of the village, between 1,250 and 1,650 m. Only species which we consider to have been reliably recorded within this strict altitudinal zone are incorporated: records of species outside their known

elevational range have been subject to close scrutiny and only those for which substantiative evidence is available have been included. It should be noted however that we have not personally utilised museum data, primarily due to time constraints and because older specimens are often not sufficiently accurately labelled to allow one to identify specimens which were genuinely taken at the specific site under scrutiny. Thus a specimen of Flammulated Treehunter Thripadectes flammulatus, lodged in the Royal Ontario Museum, Toronto, is labelled "Mindo" but appears unlikely (based on the species's known elevational range) to have been collected in the vicinity of the village (D. Beadle pers. comm.). Yellow-eared Parrot Ognorhynchus icterotis, has never been seen at Mindo. Its inclusion is perhaps warranted on the basis of reports that a bird discovered on the cagebird market in 1970 had supposedly been taken within the environs of the village⁵. This species is restricted to Colombia and north-west Ecuador, principally at 2,000-3,000 m, but occasionally down to 1,200 m (P. Greenfield in Collar et al.5). Thus it has been suggested (as Mindo is one of the ornithologically better known areas of Ecuador) that this individual was presumably a straggler (N. Krabbe in Collar et al.5), if indeed its provenance is correct. We do not accept the validity of its occurrence here.

Records from the Nono–Mindo road, the Tandayapa pass and other surrounding areas (e.g. Río Pitsar, from where there is a record of Blue-whiskered Tanager *Tangara johannae*⁶) are not included in this review. The publication of this list should provide baseline data for the area. It is hoped that this article will stimulate further exploration of the Mindo area, thus augmenting the data presented here.

Geographic position

The village of Mindo (0°02'S 78°48'W) is situated in Pichincha province (north-west Ecuador), 25 km north-west of Quito, on the western slope of Volcán Pichincha. The approximate altitude of the area covered by this review is 1,250–1,650 m. Mindo is in the subtropical zone, considered to lie between 1,000 and 1,200 m to 2,300 and 2,500 m¹⁹.

Climate

Although the rainy season in the north-west Ecuadorian Andes is usually between November and April, Mindo's proximity to the equator leads to almost daily rainfall, principally in the evenings (although some seasonal variance in rainfall remains evident), accompanied by constant humidity, reminiscent of tropical forests. Annual rainfall varies from 800–4,000 mm p.a. (subject to topography) in the higher areas of the tropical Andes⁸.

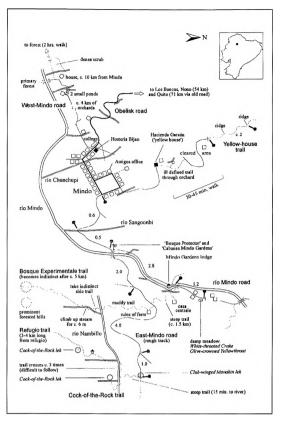
Vegetation

The tall canopied forests around the village possess a dense understorey, particularly in disturbed areas, where bamboo *Guadua* sp. sometimes occurs. Algal growths and mosses are also a feature of the forest. Tree ferns, an essential characteristic of higher-altitude forests are uncommon, and epiphytic plants, of which a great diversity are usually found in the montane zones, are relatively poorly represented.

Threatened and endemic birds

The forests surrounding Mindo hold a number of threatened, near-threatened⁵ and endemic bird species. Endemic is a term used to describe numerous distribution patterns, but refers here to species with known ranges of 50,000 km² or less. This subjective definition was put forward by Terborgh and Winter²⁴ and adopted by BirdLife International as a practical measurement³. Endemics tend to be clustered in centres. Such centres in the Andes are typically long and narrow, reflecting ecological niches consistent with altitudinal bands. For overviews of endemism in South American birds and its importance in determining conservation management strategies see Fjeldså & Krabbe⁸, Ridgely & Tudor¹⁹, Williams, Best & Heijnen²⁵ and Bloch *et al*³.

Mindo falls within the Chocó and Pacific slope Andes (hereafter referred to as the Chocó) Endemic Bird Area (EBA), as defined by BirdLife International in its Biodiversity Project, which identified world centres of avian endemism. A total of 64 endemics occur in the Chocó EBA, 14 of which are shared with five other EBAs²². Our study has real-



The main birding sites around Mindo, Pichincha province, north-west Ecuador (the authors are grateful to Tom Heijnen for allowing use of the map, prepared for the forthcoming A guide to bird-watching in Ecuador and the Galápagos Islands).

ised a total of 334 species recorded from Mindo with a further 50–100 species having been reliably recorded 100–200 m above or below the altitudinal limits adopted by this study. Of the total list, 26 are Chocó endemics. Giant Antpitta *Grallaria gigantea* (which is a High Central Andean endemic) is also known from the study area. Four or five threatened and 10 near-threatened species (see below) recorded are designated (*) on the systematic list, while restricted-range (i.e. "endemic") species are designated (#).

Of the endemics recorded at Mindo, only five are known to occur within other EBAs. Of the total 64 Chocó endemics, 15 are known only from Colombia. Therefore c. 41% of the total Chocó endemics (and 53% of those known from Ecuador) have been recorded at Mindo. These figures exclude two species listed by some authors, but for which

no observer can be traced and three species (Gorgeted Sunangel Heliangelus strophianus. Long-wattled Umbrellabird Cephalopterus penduliger and Moss-backed Tanager Bangsia edwardsi) known to occur just outside the study area. Chocó endemics known to occur at similar altitudes elsewhere in northern Ecuador (but unrecorded from Mindo) are: Rose-faced Parrot Pionopsitta pulchra although it has been recorded on the Nono-Mindo road (Krabbe 1984), one was seen in the canopy along the Yellow House trail in 1986 (Paul Coopmans) and in 1994 was found nesting near Mindo (precise location unclear) by N. Krabbe and G. Engblom (in litt.), Banded Ground-Cuckoo Neomorphus radiolosus. Fulvous-dotted Treerunner Margarornis stellatus and Purplishmantled Tanager Irisidornis porphyrocephala which has recently been seen on the first part of the old road above the former obelisk (M. Lysinger in litt. to Paul Coopmans). Others occurring at marginally lower altitudes (up to 900-1100 m) are: Plumbeous Forest-falcon Micrastur plumbeus, Rufous-crowned Antpitta Pittasoma rufopileatum, Ochraceous Attila Attila torridus, Golden-chested Tanager Bangsia rothschildi, Scarlet-and-white Tanager Chrysothlypis salmoni and Yellow-green Bush-tanager *Chlorospingus flavovirens*.

Of those bird species designated as threatened⁵, all five recorded from Mindo are rather enigmatic. Hoary Puffleg *Haplophaedia lugens* is also known only from south-west Colombia and north-west Ecuador. There are a number of recent sight records and older specimens documented for Mindo⁵. This hummingbird of the lower storey forest interior is characteristically difficult to observe. Nonetheless, recent research (principally in Colombia) suggests that despite the species's restricted distribution, it can occur at relatively high densities in suitable habitat, and its apparent scarcity is due, at least in part, to its retiring nature⁵.

Little Woodstar Acestrura bombus, a poorly known hummingbird, from west Ecuador (north to Esmeraldas) to central Peru (south to Huánuco) has recently been collected near Mindo. A specimen was taken by J. C. Matheus at 2,030 m, below Hacienda Santa Rosa, along the Lloa–Mindo road in August 1987⁵. The species has been found from sea level to 2,250 m in west Ecuador.

Grallaria gigantea is restricted to Colombia and Ecuador. Three forms are known; lehmanni in Colombia, with hylodroma and gigantea occurring on the western and eastern slopes of the Ecuadorian Andes. A specimen (in the British Museum of Natural History, Tring) taken at 1200 m in February 1939 was, until recently, the only

record from Mindo5. However a sight record was made along the Yellow House trail in September 1985 (N. Lindsey pers. comm.) and subsequently in early November 1991 Paul Greenfield tape-recorded what he believed to be this species near Tandayapa, with more recordings from the same locality being made in January 1994. Further confirmation of the species's presence came in December 1993 and February 1994, when J.C.Matheus observed G. gigantea 3.1 km southeast of the village, in the narrow Río Mindo plain¹⁷ and later in 1994, with at least one additional sight record (by G. Finch in litt.) and a singing bird heard by G. Engblom (in litt.). One was mist-netted on several occasions in the Mindo area in 1995 (J. Hornbuckle in litt.) and the species has recently been video-taped in the Tandayapa area at Bellavista lodge (C. Collins). In July or August 1996 at least one was regularly encountered around a clearing approximately 10 km along the Yellow House trail (A. Lewis pers. comm. to Rob Williams). An additional ten localities (based on a total of 19 specimens) are known from Pichincha province. Most significantly four birds were taken on three separate occasions between 1936 and 1958 at Cerro Castillo, an untraced locality, but considered to be near Mindo⁵.

Grey-breasted Flycatcher Lathrotriccus griseipectus is generally uncommon or rare in a variety of forest types, from sea level to 1,750 m, on the Pacific slope of the Andes, from Esmeraldas province, Ecuador to northern Peru. There is one record from Mindo: a specimen (in BMNH, Tring) collected in January 1914⁵, although Bob Ridgely (in litt. to Rob Williams) and Paul Coopmans speculate that the specimen may have been taken at a lower elevation. There is one other published record from Pichincha province, several recent sight records from Tinalandia (Pichincha) by Pual Coopmans and a single record from Esmeraldas.

Known only from the western Andes of Colombia and north-west Ecuador, the Tanager Finch *Oreothraupis arremonops* has been collected from Mindo at 1,260m^{9,10} and at 1,200 m in March 1939 (specimen in BMNH, Tring)⁵. Additional records nearby are from the untraced Cerro Castillo²³ and from above Tandayapa, where there was a sight record in July 1987⁵. This species is reclusive, shy, and consequently difficult to observe. In addition its soft call is easily overlooked¹⁹. Whilst undeniably rare and localised, its apparent tendency to occur at low densities in north-west Ecuador may partly be explained by its unobtrusive nature.

In addition, the following species, categorised as near-threatened⁵, have been recorded at Mindo:

Fasciated Tiger-heron Tigrisoma fasciatum, Black-and-white Hawk-eagle Spizastur melanoleucus, Black-and-chestnut Eagle Oroaetus isidori, Baudó Guan Penelope ortoni, Dark-backed Wood-quail Odontophorus melano-notus, Toucan Barbet Semnornis ramphastinus, Pale-mandibled Aracari Pteroglossus erythro-pygius, Plate-billed Mountain-toucan Andigena laminirostris, Scaled Fruiteater Ampeloides tschudii and Beautiful Jay Cyanolyca pulchra.

Significant range extensions

Species ranges in the Neotropics are still subject to constant revision. Mindo, being only approximately 120 km from the Colombian border, has thrown up some interesting range extensions.

Nariño Tapaculo Scytalopus vicinior, a species previously known only from two localities in south-west Colombia, was found near Mindo in April 1989 by PC. Subsequently ten specimens were collected there¹⁶, suggesting that the species is not uncommon.

In early March 1990, 6.5 km south-east of the village, Colin Bushell (in litt.) and Bret Whitney et al. taped in (using a tape of Cinnamon Screechowl O. petersoni) and spotlighted a uniform cinnamon-buff owl which they identified, primarily on range (Rufescent Screech-owl O. ingens, the only close congener in range at this locality, has a quite different vocalisation) as O. colombianus. The observers noted the brown irides, but were unable to comment on the bird's overall size, tail length or the extent of tarsi feathering. One previous record from Ecuador has been published?: a specimen (male) collected from Nanegal, Pichincha province (lodged in Museum of Natural History, Paris). Prior to the 1990 sighting the species had been discovered on the Garzon property and along the entrance road by Paul Greenfield and others, and has been observed in the same areas until the present. A single bird of this species was tape-recorded and collected (MECN) at the relatively nearby locality of Maquipunca on 31 March 1993 (N. Krabbe and Paul Coopmans). The taxonomic status of this form remains unclear; Sibley & Monroe²¹ prefer to regard O. colombianus as a subspecies of O. ingens.

Birdwatching opportunities

Access is either via the relatively new Quito—Calacali—Los Bancos road, or the old Nono—Tandayapa road. These join less than a kilometre from the side road which leads to Mindo (signposted Carmelo de Mindo Lodge). This road, which has recently been widened largely follows the old road bed with some sections, especially

higher up, having been shortcut, passes through secondary forest, good for a wide variety of species. Scarcer and more interesting species possible here include: O. isidori, Wattled Guan Aburria aburri (seasonal), Scarlet-backed Woodpecker Veniliornis callonotus (a dry scrub species, which due to continued deforestation is apparently spreading into new areas in north-western Ecuador, including Mindo), Brown Violetear Colibri delphinae, Velvet-purple Coronet Boissonneaua jardini, Scytalopus vicinior, Club-winged Manakin Machaeropterus deliciosus, Yellow-collared Chlorophonia Chlorophonia flavirostris (although this species is markedly seasonal Paul Greenfield in litt. to Rob Williams), the near endemic but widespread in the western half of the country Ecuadorian Thrush Turdus maculirostris, Duskybellied Bush-tanager Chlorospingus semifuscus and Cyanolyca pulchra. Large flocks of tanagers are frequently encountered (and on higher sections of the Tandayapa road may include several species of mountain-tanagers), with Rufous-throated Tangara rufigula, Glistening-green Chlorochrysa phoenicotis and White-winged Tanagers Piranga leucoptera among common species like Golden Tangara arthus and Golden-naped Tanagers T. ruficervix. Interesting inhabitants of the lower storey include Rufous-breasted Antthrush Formicarius rufipectus and White-throated Spadebill Platyrinchus mystaceus. Furnariids and woodcreepers abound, while hummingbirds such as the ubiquitous Booted Racket-tail Ocreatus underwoodii are a regular feature. Stygian Owl Asio stygius has been heard high above the intersection of the Mindo-Los Blancos-Quito roads (P. A. Scharf in litt.), while Ochre-breasted Antpitta Grallaricula flavirostris has been sighted on several occasions and mist-netted along the road to the village.

To the west of the village (from the main square), and beyond the Garzon family farm, is the Yellow House trail. A small charge is levied for using the trail, payable only once at the house, where a logbook is also kept. Visitors can also stay with Señora Garzon for a small fee (c. \$10 for full board and lodging). The trail initially skirts secondary forest, before entering it, traversing several steep ridges as it winds towards the main, obelisk road. Species regularly recorded along this trail include Andean Cock-of-the-Rock Rupicola peruviana (of the race sanguinolenta), which lek in this part of the forest, Barred Parakeet Bolborhynchus lineola (which is sporodically common throughout the Mindo area, although it appears to be highly nomadic and more frequent at higher elevations), Rusty-winged *Premnornis guttuligera* and Spotted Barbtails *Premnoplex brunnescens*. Several hundred metres beyond the Garzon house an obscure service trail cuts down into a narrow gully, where a forest stream is a good place to look for "skulkers" such as Esmeraldas Antbird *Myrmeciza nigricauda* and Pale-vented Thrush *Turdus obsoletus*.

The Río Mindo is home to a number of species including Tigrisoma fasciatum and Sunbittern Eurypyga helias, both of which can usually be found in the area around the second wooden bridge west of the village. Other typical riverine species such as Torrent Duck Merganetta armata, Torrent Tyrannulet Serpophaga cinerea and White-capped Dipper Cinclus leucocephalus are more easily located, anywhere along the river. The surrounding forested slopes also provide worthwhile birding. Species such as Red-billed Pionus sordidus and Bronze-winged Parrots P. chalcopterus and Goldenheaded Quetzal Pharomachrus auriceps are common. Broad-billed *Electron platyrhynchum* and Rufous Motmots Baryphthengus ruficapillus are also regular in this area.

North of the village a long ridge cloaked in primary forest harbours a number of species less tolerant of habitat disturbance. Two trails lead into this forest; the Amigos and the Bosque Experimental trails. The Amigos trail is administered by the Amigos de la Naturaleza de Mindo who have an office in the village. For a small fee they will organise local guides to take people to visit this area. The trail is difficult to follow without such local knowledge, as it starts in a farmed valley, and repeatedly crosses a river, before following a streambed up into the forest. An overnight stay in the forest refugio is advisable as it takes five or six hours to walk here from the village, although one can elect to drive part of the way. This trail is an excellent area in which to get to grips with species such as Andigena laminirostris and Russet-backed Oropendola Psarocoliusangustifrons. Other possibilities, uncommon elsewhere in the Mindo area, include Tawny-throated Leaftosser Sclerurus mexicanus, Golden-winged Manakin Masius chrysopterus, Andean Myadestes ralloides and the rarely seen Black Solitaires Entomodestes coracinus. The Bosque Experimental trail is administered by the Fundación Pacaso Pacaso and is difficult to find (Cesar at the Hosteria Bijao can usually contact members of the Fundación in order to arrange access). There may be a small charge. Although no refugio has yet been built in this forest the trail can be covered effectively in a day's journey from the village. Species recorded from this recently cut and little explored

trail include *Odontophorus melanonotus*, Collared Trogon *Trogon collaris*, Plain-backed Antpitta *Grallaria haplonota* and *Grallaricula flavirostris* (the latter being of the race *mindoensis*, which is endemic to Pichincha province) and Thrush-like Schiffornis *Schiffornis turdinus*. However in late 1993 the trail was apparently heavily overgrown and impossible to follow. These trails are situated on the same ridge and most of the species mentioned have been recorded from both.

The road leading to these trails from the village is passable in a 4-wheel drive vehicle, but it is preferable to walk as this area also provides good birding; P. ortoni, Lyre-tailed Nightjar Uropsalis lyra, Crested Quetzal Pharomachus antisianus and Pteroglossus erythropygius have all been recorded. The area in the immediate vicinity of the old Narvaez farm (which has now burnt down) is particularly good for Semnornis ramphastinus, known locally as "yumbo". This species is not uncommon around Mindo, even being seen in seriously degraded habitats such as cane plantations and roadside vegetation. A new, large hotel recently (late 1993) opened along this road called the Mindo Gardens (cost c.\$50 a night) but was apparently closed in early 1996. (A new lodge, just east of the village, with good forest within close proximity has recently opened; ask for El Carmelo de Mindo).

Little seems to be known of the area to the east of the village, although a road follows the Río Mindo in this direction for c.10 km. Beyond this a dirt track, which initially skirts the forest margins, eventually continues into primary or old secondary forest. It is unclear how far this track penetrates the forest interior. The following species were recorded during an afternoon (on foot from the village) in this area in January 1992; Grey-rumped Chaetura cinereiventris and Bandrumped Swifts C. spinicauda, Plain-brown Woodcreeper Dendro-cincla fuliginosa, Streaked Xenops Xenops rutilans, White-bearded Manakin Manacus manacus, Chlorochrysa phoenicotis and Blue Seedeater Amaurospiza concolor (GMK, TM).

Reasonably large patches of forest remain north, west and east of the village. Little or nothing is known of the bird communities on these slopes, primarily due to a lack of obvious access trails.

Conservation

Forest clearance has occurred around the village, on the valley floors of the two main rivers and along the primary roads and tracks. Slash-andburn agriculture is important to the local economy, but excessive clearance will damage the

watershed, the village being almost wholly surrounded by higher ground. Most forest clearance is to the south and east of Mindo, adjacent to the main road. A new road was recently completed from Quito to San Miguel de los Blancos. One area of forest is a listed Bosque Protector and a management plan has been completed for this area, now known as the Mindo Nambillo Bosque Protector (C. Teixeira in litt, to TM). However in legal terms, this designation is of decidedly limited practical conservation value, as enforcement measures are rarely applied. At the time of writing access to certain areas of forest around Mindo is becoming more difficult, as several different landowners are laying claim to the same area of land. Ownership rights and the issue of trespassing have become significant issues among certain sections of the local community.

Contacts

Amigos de la Naturaleza de Mindo (Corporación Ecológica), Casillo de Correo 17-03-1673, Quito (tel.455.344).

Fundación Pacaso & Pacaso (Para el Desarrollo de Mindo), Av. Amazonas 1671 y Orellana edif., Torre Alaba of. 505, Quito (tel.554.105).

Vinicio Perez, Secoya 140 y Balzapamba, Sector El Pintado, Quito (Vinicio is compiling a book about the birds of Mindo in order to promote local conservation and ecotourism — see Bulletin Board this issue).

Mindo Gardens, c/o Mr & Mrs Burnstad, P.O. Box 318, Redwood Valley, CA 95470, U.S.A.

Several of the major bird tour companies (in both the USA and UK) include Mindo in their itineraries.

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Appendix. List of birds recorded at Mindo

PHALACROCORACIDAE	
Neotropic Cormorant	Phalacrocorax olivaceus
ARDEIDAE Great Egret Snowy Egret Striated Heron Cattle Egret (*)Fasciated Tiger-heron	Egretta thula Butorides striatus Bubulcus ibis
ANATIDAE Torrent Duck	Merganetta armata
CATHARTIDAE Black Vulture Turkey Vulture	
ACCIPITRIDAE American Swallow-tailed Kite Grey-headed Kite Hook-billed Kite Double-toothed Kite Bicolored Hawk Broad-winged Hawk Roadside Hawk White-rumped Hawk White-rumped Hawk Broad-white Hawk-eagle (*)Black-and-chestnut Eagle	Leptodon cayanensis . Chondrohierax uncinatus Harpagus bidentatus Accipte bicolor Buteo platypterus Buteo magnirostris Buteo leucorrhous Leucopternis princeps Spizastur melanoleucus Spizastur tyrannus
FALCONIDAE Barred Forest-falcon Collared Forest-falcon Bat Falcon American Kestrel	Micrastur semitorquatus Falco rufigularis
CRACIDAE Crested Guan (#)Baudó Guan Wattled Guan Sickle-winged Guan	Penelope ortoni Aburria aburri
ODONTOPHORIDAE (*)(#)Dark-backed Wood-quail O Rufous-fronted Wood-quail	dontophorus melanonotus . Odontophorus erythrops
RALLIDAE White-throated Crake	Laterallus albigularis
EURYPYGIDAE Sunbittern	Eurypyga helias
SCOLOPACIDAE Spotted Sandpiper	Actitis macularia
COLUMBIDAE Band-tailed Pigeon	Columba subvinacea Columba plumbea Leptotila verreauxi
PSITTACIDAE Maroon-tailed Parakeet	Bolborhynchus lineola Pionus sordidus Pionus tumultuosus Pionus chalcopterus Amazona mercenaria

CUCULIDAE Dark-billed Cuckoo Coccyzus melacoryphus Grey-capped Cuckoo Coccyzus lansbergi Squirrel Cuckoo Piaya cayana Little Cuckoo Piaya minuta Smooth-billed Ani Crotophaga ani Striped Cuckoo Tapera naevia
STRIGIDAE (#)Colombian Screech-owl
STEATORNITHIDAE Oilbird Steatornis caripensis
NYCTIBIIDAE Common Potoo Nyctibius griseus
CAPRIMULGIDAE Rufous-bellied Nighthawk
APODIDAE White-collared Swift Streptoprocne zonaris Chestnut-collared Swift Chaetura pelagicab Grey-rumped Swift Chaetura cinereiventris Band-rumped Swift Aeronautes montivagus Lesser Swallow-tailed Swift Panyptila cayennensis
TROCHILIDAE Green-fronted Lancebill White-whiskered Hermit Lang-bellied Hermit Long-tailed Long-tailed Robert Locality Little Hermit Long-tailed Loopen Robert Locality
Purple-throated Woodstar Calliphlox mitchellii

Great Antshrike	FORMICARIIDAE		Bronze-olive Pygmy-tyrant	Pseudotriccus belzelni
Uniform Ansthrike Thammakites anobadous Pacific Streaked-ancoven. Myrmotheruis suriomensis Pacific Streaked-ancoven. Myrmotheruis suriomensis Pacific Streaked-ancoven. Myrmotheruis suriomensis Slaxy Antwren Dyrthomus mentolis Slaxy Antwren Dyrthomus mentolis Slaxy Antwren Dyrthomus mentolis Slaxy Antwren Terneuro collinota Surior Antwren Terneuro collinota Surior Antwren Terneuro collinota Surior Terneuro collinota Surior Terneuro Sultanta Mortira Myrmocacia mipicauda Tavmy-rumped Tyrannulet Terneuro Collinota Surior Tarantile Surior Terneuro Sultanta Collinota Surior Tarantile Surior Terneuro Sultanta Collinota Surior Tarantile Surior Terneuro Sultantile Surior Terneuro Surior Terneuro Sultantile Surior Terneuro Sultan	Great Antshrike	Taraba major		
Russet Ansthrike				
Pacific Streaked-antwere Dysthomos mentals Slay Antwern Mymoderula schistoolar Long-tailed Antbird Mymercia polipid caudata Rufous-wraped Antwere Tereneura callinata Eleneia Delicenta Elen	Russet Antshrike	Thamnistes anabatinus		
Pain Anvireo Dysthomnus mentalis Stay Antveren Mymotherula schisciolor Long-talled Antbird Drymophilo coudata Refusers are alle Antbird Drymophilo coudata Refusers are alle Antbird Dusky Antbird Cercomocra tyrannia Emeraldas Antbird Mymrecta infraodulata Antbird Mymrecta infr	Pacific Streaked-antwren	Myrmotherula surinamensis	White-tailed Tyrannulet	. Mecocerculus poecilocercus
Slay Antwren Mymotherule schistorion Long-tailed Anthird Dymophile coudeta Rufous-rumped Antwren Tereneuro collinota Dymophile coudeta Rufous-rumped Antwren Tereneuro collinota Dusky Anthird Ceremotor synanina Emeraldas Anthird Mymeciza nipicauda Ilmaculate Anthird Mymeciza nipicauda Black-headed Anthrush Formicorius nigricopillus Richesbede Anthrush Formicorius nigricopillus Rifusu-breasted Anthrush Formicorius nigricopillus Rifusu-breasted Anthrush Formicorius nigricopillus Rifusu-breasted Anthrush Formicorius nigricopillus Colerando Phyliomysis grisciepa Phyliomysis cinericorius Rifusu-breasted Anthrush Formicorius nigricopillus Colerando Phyliomysis grisciepa Phyliomysi	Pain Antvireo	Dysthamnus mentalis	Rufous-winged Tyrannulet	Mecocerculus calopterus
Rufous-rumped Antwern Tereneura calinota Dusisy Antbird Cocromora tyrannia Esmeraldas Antbird Mymreciza nipicauda Immaculate Antbird Phyllomyias grisceipe Ashy-headed Tyrannulet Phyllomyias grisceipe Black-and-white Svallow Phyllomyias grisceipe Black-and-white Svallow Phyllomyias grisceipe Ashy-headed Tyrannulet Phyllomyias grisceipe Ashy-headed Tyrannulet Phyllomyias grisceipe Ashy-headed Tyrannulet Phyllo	Slaty Antwren	Myrmotherula schisticolor		
Rufous-rumped Antwern Tereneura calinota Dusisy Antbird Cocromora tyrannia Esmeraldas Antbird Mymreciza nipicauda Immaculate Antbird Phyllomyias grisceipe Ashy-headed Tyrannulet Phyllomyias grisceipe Black-and-white Svallow Phyllomyias grisceipe Black-and-white Svallow Phyllomyias grisceipe Ashy-headed Tyrannulet Phyllomyias grisceipe Ashy-headed Tyrannulet Phyllomyias grisceipe Ashy-headed Tyrannulet Phyllo	Long-tailed Antbird	Drymophila caudata		
Dusty Antbird — Cercomacra tyrannina Esmeraldas Antbird — Myrmecize inpicauda Inmaculate Antbird — Myrmecize infocuda Inmaculate Antbird — Myrmecize inmaculata Black-headed Antbrirds — Fornicarius rufpectus ("()48/Giart Antpitta — Grallaria gigrate — Scaled Antpitta — Grallaria gigrate — Scaled Antpitta — Grallaria guatimolensis Plain-backed Antpitta — Grallaria pulatimolensis Plain-backed Antpitta — Grallaricula flovirostris RININOCRYPTIDAE — Soytolopus vicinio — Pipreola irefferii (#)Orange-breasted Fruiteater — Pechyromphus versicolor — Southern Nogh-winged Swallow — Stelgidopterys inficuliis Barra Beara — Pechyromphus solinogrieus One-coloured Bearad — Pechyromphus solinogrieus Platypastris homechrous — Platypastris homechrous — Stelfornia — Protyromphus solinogrieus — Thoroneous — Platypastris homechrous — Sayoriis ingricora — Thyrothorus ingricopilius — Special — Protyromphus solinogrieus — Pipreola picundar — Special — Protyromphus solinogrieus — Protyromphus solin			Sierran Elaenia	Elaenia pallatangae
Immaculate Antbird Myrmecize immoculata Black-haeded Antbrush Formicarius righecus ("()#Glician Antbrush Formicarius righecus Galden-faced Tyranulet Tyranniseus viridiforus Scaled Antpitta Grallarius Gardina pigontea Galden-faced Tyranulet Tyranniseus viridiforus Galden-faced Tyranulet Tyraniseus viridiforus Galden-faced Tyranulet Galden Galden-faced Tyranulet Tyraniseus viridiforus Galden-faced Tyranulet Galden Ga	Dusky Antbird	Cercomacra tyrannina	Southern Beardless-Tyrannulet	Camptostoma obsoletum
Black-headed Anthrush	Esmeraldas Antbird	Myrmeciza nipicauda	Tawny-rumped Tyrannulet	Phyllomyias uropygialis
Rufous-breasted Anthrush Formicarius rufpectus ("()#G)Giant Antpitta Gollaria gigatines Scaled Antpitta Gollaria gigatines Scaled Antpitta Gollaria gigatines Scaled Antpitta Gollaria gigatines Scaled Antpitta Gollaria polamiolansia Plain-backed Antpitta Grallaria polamiolansia Plain-backed Antpitta Gollaria Gollaria Plain	Immaculate Antbird	Myrmeciza immaculata	Sooty-headed Tyrannulet	Phyllomyias griseiceps
(*)(#)(-)(aint Antpitta	Black-headed Antthrush	Formicarius nigricapillus	Ashy-headed Tyrannulet	Phyllomyias cinereiceps
Scaled Antpitta Grallaria guatimalensis Plain-backed Antpitta Grallaria haplanota Ochre-breasted Antpitta Grallaria Gral	Rufous-breasted Antthrush	Formicarius rufipectus	Golden-faced Tyrannulet	Tyranniseus viridiflavus
Plain-backed Antipitta — Grallaria haplonata Ochre-breasted Antipitta — Grallaria haplonata Ochre-breasted Antipitta — Grallaria flavirostris RHINOCRYPTIDAE Narino Tapaculo — Scytalopus viciniar COTINGIDAE — Sytalopus viciniar COTINGIDAE — Pripera i reiferii (#) Crange-breasted Fruiteater — Pipreala jucundi (Y) Scaled Fruiteater — Pipreala jucundi (Y) Scaled Fruiteater — Pipreala jucundi (Y) Scaled Fruiteater — Propria fucundi Olivacous Piha — Lipaugus cryptolophus Barra Swallow — Hrundo russico CORVIDAE — Convolva pulchra (Y) Baeard Beard — Pachyramphus versicolor Cinnamon Becard — Pachyramphus sanoamoneus White-winged Becard — Pachyramphus sanoamoneus Photophorus Back-and-white Becard — Pachyramphus sanoamoneus Photophorus Back-and-white Becard — Pachyramphus sanoamoneus Photophorus Pachyramphus albogriseus One-coloured Becard — Pachyramphus sanoamoneus (Sanguinolenta) — Pipreala jucundi (Sanguinolenta) — Pipre	(*)(#)Giant Antpitta	Grallaria gigantea	Slaty-capped Flycatcher	Leptopogon supercillaris
Ochre-breasted Antpitta RHINOCRYPTIDAE RHINOCRYPTIDAE RHINOCRYPTIDAE Soriolous vicinior COTINGIDAE Green-and-black Fruiteater Pipreola riefferii (g) Crange-breasted Fruiteater Pipreola picundi (y) Scaled Fruiteater Phipreola picundi (y) Scaled Fr	Scaled Antpitta	Grallaria guatimalensis	Streak-necked Flycatcher	Mionectes striaticollis
RHINOCRYPTIDAE Nariho Tapaculo Sortalopus vicinior COTINGIDAE Green-and-black Fruiteater (#)Crange-breasted Fruiteater (#)Crange-breasted Fruiteater Pipreola irefferii (#)Crange-breasted Fruiteater Pipreola jucund (*) Sacled Fruiteater Pachyramphus einchamomeus White-winged Bacard Pachyramphus scinnamomeus White-winged Becard Pachyramphus polychopterus Black-and-white Becard Pachyramphus olinogriseus One-coloured Becard Pachyramphus polychopterus Black-and-white Becard Pachyramphus jolychopterus Black-and-white Becard Pachyramphus olinogriseus One-coloured Becard Pachyramphus polychopterus Black-and-white Becard Pachyramphus olinogriseus One-coloured Becard Pachyramphus polychopterus Black-and-white Becard Pachyramphus polychopterus Spal-brown Wren Cinnycerthia peruone Spal-brown Wren Cinnycerthia peruone TROGLODYTIDAE Spal-brown Wren Troglodytes sodor White-daped Dipper Cinclus leucocepholus TROGLODYTIDAE Spal-brown Wren Troglodytes osloticitis White-daped Dipper TROGLODYTIDAE Spal-brown Wren Troglodytes osloticitis White-daped Di	Plain-backed Antpitta	Grallaria haplonota	Olive-striped Flycatcher	Mionectes olivaceus
RHINOCRYPTIDAE Notion Tapaculo Sortalopus vicinior COTINCIDAE Green-and-black Fruiteater (P) Scaled Fruiteate	Ochre-breasted Antpitta	Grallaricula flavirostris	HIBLINIDINIDAE	
Nariño Tapaculo COTINCIDAE COTINCIDAE COTINCIDAE Green-and-black Fruiteater (#) Orange-breasted Fruiteater (#) Scaled Fruiteater Appleolodes tschudii Olivaceous Piha Lipaugus cryptolophus Barred Becard Pechyramphus cinnomenus White-winged Becard Pechyramphus indoprines Back-and-white Becard Pechyramphus indoprines Back-and-white Becard Pechyramphus polychopterus Balack-and-white Becard Pohyramphus indoprines Barn Swallow Hirundo rustice CORVIDAE (*)(#)Beautiful Jay Coyanolyca pulchre (*)(#)Beautiful Jay Cornolloga Cinclus leucocephalus Cinclus E Sepia-brown Wren Tranglodres osiborite Bapa-brown Wren Tranglodres osibotiolis White-beard Wren Tranglodres osibotiolis White-bearded Wren Trang	RHINOCRYPTIDAE			Noticeheliden evaneleyea
Barn Swallow Hirundo rustice Green-and-black Fruiteater Pipreola riefferii ((f) Crange-breasted Fruiteater Pipreola jucundi (f) Scaled Fruiteater Ampelioides tschuldi (f) Scaled Fruiteater Ampelioides tschuldi (f) Scaled Fruiteater Pachyramphus versicolor Ginnamon Becard Pachyramphus versicolor Ginnamon Becard Pachyramphus polychopterus Black-and-white Becard Pachyramphus polychopterus Masked Tityra Tityra semifosciata White-apped Dipper Cinclus leucocephalus Troglodytes adeltion White-capped Dipper Cinclus leucocephalus Troglodytes adeltion White-capped Dipper Cinclus leucocephalus Troglodytes adeltion White-capped Dipper Cinclus leucocephalus Troglodyer and leucompachus Sylven Cinclus leucocephalus Troglodyer deven Cinclus leucocephalus Sylven Troglodyer deven Cinclus leucocephalus Sylven Troglodyer solitional Cinclus leucompa		Scutalopus vicinios		
CORVIDAE (#)Orange-breasted Fruiteater Pipreolo jucundi (#)Crange-breasted Fruiteater Pipreolo jucundi (#)Crange-breasted Fruiteater Pipreolo jucundi (*)Csaled Fruiteater Pipreolo jucundi Olivaceous Piha Lipaugus cryptolophus Barred Becard Pachyramphus cinamomeus White-winged Becard Pachyramphus cinamomeus White-winged Becard Pachyramphus cinamomeus White-bared Dipper Cinclus leucocephalus TROGLODYTIDAE Sepia-brown Wren Troglodytes dedow Sepia-brown Wren Troglodytes dedow Involved Fruiteater Trogl	Natino Tapaculo	Scytalopus vicililoi		
(#) Orange-breasted Fruiteater Pipreola jucundi (**) Scaled Fruiteater Ampleiodes totaldii Olivaceous Piha Lipaugus cryptolophus Barred Becard Pachyramphus innamomeus White-winged Becard Pachyramphus oinnamomeus White-winged Becard Pachyramphus oinnamomeus White-winged Becard Pachyramphus oinnamomeus White-winged Becard Pachyramphus oinnamomeus White-bared Becard Pachyramphus oinnamomeus White-bared Becard Pachyramphus oinnamomeus White-bared Becard Pachyramphus oinnamomeus Masked Tityra Pipreophius oinnamomeus Masked Tityra Pipreophius oinnamomeus RUPICOLIDAE RUPICOLIDAE Rupicola peruviana (sanguinolenta) PIPRIDAE Golden-winged Manakin Masius chrysopterus White-baredd Manakin Manacus manacus (#) Club-winged Manakin Manacus (#) Club-winged Manakin Manacus (#) Club-winged Manakin Manacus Manacus (#) Club-winged Manakin Manacus (#) Club-winged Manakin Manacus (#) Club-winged			Darii Swallow	Thrungo rusticu
(f) Scaled Fruiteater Amplelioides tschudii Olivaceous Piha Lipougus cryptolophus Barred Becard Pachyramphus versicolor Cinnamon Becard Pachyramphus chianamomeus White-winged Becard Pachyramphus olbogriseus Black-and-white Becard Pachyramphus olbogriseus Black-and-white Becard Pachyramphus olbogriseus Black-and-white Becard Platysaris homochrous Masked Tityra Tityra semifasciata RUPICOLIDAE Andean Cock-of-the-Rock Rupicolo peruviana (sanguinolenta) PIPRIDAE (Solden-winged Manakin Masius chrysopterus White-bearded Manakin Masius chrysopterus White-bearded Manakin Manacus manacus (#f) Club-winged Manakin Masius chrysopterus White-bearded Manakin Masius chrysopterus White-bearded Manakin Masius chrysopterus White-bearded Manakin Manacus manacus (#f) Club-winged Manakin Masius chrysopterus White-bearded Manakin Masius chrysopterus deliciosus Trushi-late Microcerculus marginatus Stav-backed Nightingale-Thrush Catharus fuscates Stav-backed Nightingale-Thrush Catharus stulatus Pale-eyed Thrush Platycichal leucops Stav-backed Nightingale-Thrush Catharus stulatus Pale-eyed Thrush Platycichal leucops Stav-backed Nightingale-Thrush Turdus soboleus Stav-backed	Green-and-black Fruiteater	Pipreola riefferii		
Olivaceous Piha Lipugus cryptolophus Barred Becard Rochyramphus versicolor Cinnamon Becard Rochyramphus cinnamomeus White-winged Becard Rochyramphus cinnamomeus Black-and-white Becard Pachyramphus cinnamomeus One-coloured Becard Platypsaris homochrous Masked Tityra Tityra semifasciata RUPICOLIDAE Andean Cock-of-the-Rock Rupicola peruviana (songuinolenta) PIPRIDAE Golden-winged Manakin Mosius chrysopterus White-bearded Manakin Allocatopterus deliciosus Thrush-like Schiffornis Schiffornis Urranus melancholicus HyClub-winged Manakin Allocatopterus deliciosus Thrush-like Schiffornis Schiffornis Urranus melancholicus Fryatcher Legaus leucophalus Soat-billed Flycatcher Myojorhoste similis Grey-capped Flycatcher Myioractetes cyanenesis Social Flycatcher Myoiractetes grandensis Social Flycatcher Myoiractes Corponensis Social Flycatcher Myoiractes Corponensis Ciry Corpo-breasted Flycatcher Myoiractes Spadicus Social Flycatcher Myoiractes Spadicus Social Flycatcher Myoiractes Corponensis Ciry-capped Pipcatcher Myoiractes Corponensis Social Flycatcher Myoiractes Corponensis Ciry Date Thryothorus rupicolocus Ciry Date Mite-capped Dipper Cirycacpped Dipper Cinncer Miteracy Space Mountain Wren Troglodytes solstitulis Space Wren Trhyothorus mysicacita Mountain Wren Troglodytes solstitulis Grey-breasted Wood-wren Henicorhina leucophrys Sylvaling Mountain Wren Troglodytes oderon Troglodytes oderon Mountain Wren Troglodytes oderon Troplododow-ren Henicorhina leucophrys Suthern Nightingale-wren Microcercules Spaced Mountain Wren Troglodytes oderon Mountain Wren Troglodytes oderon Mountain Wren Troglodytes	(#)Orange-breasted Fruiteater	Pipreola jucundi	(*)(#)Beautiful Jay	Cyanolyca pulchra
Dilyaceous Prina Diputes Cinclus leucocephalus Barred Becard — Pachyramphus versicolar Cinnamon Becard — Pachyramphus versicolar Pachyramphus polychopterus Black-and-white Becard — Pachyramphus albogriseus One-coloured Becard — Pachyramphus chinade Spilar — Thryathorus mystacallis Grey-caped Flycatcher — Myiophobus favicans Packet one-coloured Pewere — Contopus furnigatus SYLVIIDAE — Surphionaxi mystacalis (#) Dilack Solitaire — Myodestes ralloides (#) Dilack Solitaire — Empidonax virescens ("Grey-caped Flycatcher — Myiophobus favicans Surphia Packether — Myiophobus favicans Contapts sordidulus Smoke-coloured Pewere — Contopus furnigatus Acadian Flycatcher — Myiophobus favicans Para-coloured Flycatcher — Myiophobus favicans Handsome Flycatcher — Myiophobus favicans Handsom	(*) Scaled Fruiteater	Ampelioides tschudii	CINICUIDAE	
Cinnamon Becard — Pachyramphus cinnamoneus White-winged Becard — Pachyramphus cinnamoneus White-winged Becard — Pachyramphus objectopterus Black-and-white Becard — Pachyramphus objectopterus Black-and-white Becard — Pachyramphus objectives and Platybsaris homochrous Masked Tityra — Tityra semifasciata White-bearded Tityra — Tityra semifasciata White-bearded Manakin — Masius chrysopterus White-branded Manakin — Masius chrysopterus White-throated Spadelelil — Platyrinchus mischala — Masius chrysopterus White-throated Spadelelil — Platyrinchus mystoceus Finatic Flycatcher — Mylophobus plucher	Olivaceous Piha	Lipaugus cryptolophus		Cinclus lousosabhalus
White-beard Pachyramphus polychopterus Black-and-white Becard Pachyramphus albogriseus One-coloured Becard Platysaris homochrous Masked Tityra Tityra semifasciata RUPICOLIDAE Andean Cock-of-the-Rock Rupicola peruviana (sanguinolenta) PIPRIDAE Goiden-winged Manakin Manacus manacus (#)Club-winged Manakin Manacus manacus (#)Club-winged Manakin Allocotopterus deliciosus Thrush-like Schiffornis Schiffornis turdinus TYRANNIDAE Black Phoebe Sayornis nigricons Black Phoebe Megarynchus pitangua Golden-crowned Flycatcher Myiodynastes chrysocephalus Rusty-margined Flycatcher Myiodynastes chry			***inte-capped Dipper	Ciricius reucocepitatus
Black-and-white Becard			TROGLODYTIDAE	
One-coloured Becard Platysaris homochrous Masked Tityra	White-winged Becard	Pachyramphus polychopterus		
Masked Tityra				
RUPICOLIDAE Andean Cock-of-the-Rock	One-coloured Becard	Platypsaris homochrous	House Wren	Troglodytes aedon
Andean Cock-of-the-Rock Andean Cock-of-the-Rock Rupicola peruviana (sanguinolenta) PIPRIDAE Golden-winged Manakin Masius chrysopterus White-bearded Manakin Masius chrysopterus White-bearded Manakin Masius chrysopterus White-bearded Manakin Manacus manacus (#)Club-winged Manakin Allocotopterus deliciosus Thrush-like Schiffornis Schiffornis turdinus TYRANNIDAE Black Phoebe Sayornis nigricans Tropical Kingbird Tyrannus melancholicus Briatic Flycatcher Megarynchus pitangua Golden-crowned Flycatcher Myiozetetes coyanensis Social Flycatcher Myiozetetes similis Grey-capped Flycatcher Myiozetetes granadensis Bright-rumped Attila Attila spadiceus Dusky-capped Flycatcher Myiozetetes granadensis Bright-rumped Attila Attila spadiceus Dusky-capped Flycatcher Myiozetetes granadensis Bright-rumped Attila Attila spadiceus Dusky-capped Flycatcher Myiozetetes granadensis Bright-rumped Attila Attila spadiceus Dusky-capped Flycatcher Myiozetetes granadensis Bright-rumped Attila Attila spadiceus Dusky-capped Flycatcher Myiozetetes pranadensis Bright-rumped Attila Attila spadiceus Black-billed Peppershrike Cyclarhis nigrirostris Red-eyed Vireo Vireo olivaceus Brown-capped Vireo Scaphidura oryzivora Russet-backed Oropendola Paracelous angustifrona Russet-backed Oropendola Paracelous angustifrona Russet-backed Oropendola Paracelous angustifrona Russet-backed Oropendola Paracelous angustifrona Russet-backed Oropendola ParauliDAE Turdus obsoletus Ecuadorian Thrush Turdus obsoletus Ecuadorian Thrush Turdus obsoletus Ecuadorian Thrush Turdus obsoletus Ecuadorian Thrush Catharus sustulatus VIREONIDAE Nicharias (Artila spadiceus Nicharias (Artila spadiceus Black-billed Peppershrike Cyclarhis nigriostris Red-eyed Vireo Vireo olivaceus Brown-capped V	Masked Tityra	Tityra semifasciata		
Andean Cock-of-the-Rock Rupicola peruviana (sanguinolenta) PIPRIDAE Golden-winged Manakin White-bearded Manakin White-broated Manakin White-bearded Manakin White-broated Manakin White-bearded Manakin White-broated Manak	RUPICOLIDAE			
PIPRIDAE Golden-winged Manakin Monacus manacus (#)Club-winged Manakin Monacus manacus (#)Club-winged Manakin Monacus manacus (#)Club-winged Manakin Monacus manacus Thrush-like Schiffornis Schiffornis turdinus TYRANNIDAE Black Phoebe Soyornis nigricans Tropical Kingbird Tyrannus melancholicus Piratic Flycatcher Megarynchus pitangua Golden-crowned Flycatcher Myiodynastes chrysocephalus Rusty-margined Flycatcher Myiozetetes similis Grey-capped Flycatcher Myiozetetes grandensis Bright-rumped Attila Monacus manacus (#)Black Solitaire Myadestes ralloides (#)Black Solitaire Mylablack Phoebe Myadestes ralloides (#)Black Solitaire Mylablack Placybacher Mylablack Placybac		Rubicola beruviana	Grey-breasted Wood-wren	Henicorhina leucophrys
PIPRIDAE Golden-winged Manakin	Auden Cock-of-the-Nock		Southern Nightingale-wren	Microcerculus marginatus
Golden-winged Manakin White-bearded Manakin Manacus manacus (#)Club-winged Manakin Manacus manacus (#)Club-winged Manakin Allocotopterus deliciosus TYRANNIDAE Black Phoebe Sayornis nigricans Tropical Kingbird Tyrannus melancholicus Piratic Flycatcher Megarynchus pitangua Golden-crowned Flycatcher Megarynchus pitangua Social Flycatcher Myiozetetes cayanensis Bright-rumped Attila Attila spadiceus Bright-rumped Attila Attila spadiceus Smoke-coloured Pewee Contopus sordidulus Smoke-coloured Pewee Contopus sordidulus Smoke-coloured Flycatcher Myiozeter Myiozeter Myiophobus pidenicomitra Flivascent Flycatcher Myiophobus phoenicomitra Flavescent Flycatcher Myiophobus phoenicomitra Flavescent Flycatcher Myiophobus pucher Bran-coloured Flycatcher Myiophobus phoenicomitra Flavescent Flycatcher Myiophobus pucher Bran-coloured Flycatcher Myiophobus phoenicomitra Flavescent Flycatcher Myiophobus pucher Bran-coloured Flycatcher Myiophobus phoenicomitra Flavescent Flycatcher Myiophobus fasciatus White-bearded Manakin Manacus manacus Adlacotopterus deliciosus TURDIDAE Andean Solitaire Myelacked Nightingale-Thrush Catharus susulatus (#)Black Solitaire Entomodestes coracinus Slaty-backed Nightingale-Thrush Catharus fuscater Swainson's Thrush Platy-cichla leucops Golosy-black Thrush Platyus Frush Pale-eyed Thrush Platyus Frush Pale-eyed Thrush Flurdus serranus Pale-eyed Thrush Platyus furbus maculirostris VIREONIDAE Black-holled Peppershrike Scarlet-Pusped Vireo Vireo olivaceus Brown-capped Vireo Vireo leucophrys Lesser Greenlet Hylophilus decurtatus CTERIDAE Shiny Cowbird Molothrus bonariensis Giant Cowbird Scarlet-Pumped Cacique Cacicus uropygiolis Caricus uropygiolis Caricus uropygiolis Caricus uropygiolis Russet-backed Oropendola Psarocolius angustifrons (atrocastaneus) Caricus uropygiolis Car				
White-bearded Manakin Manacus manacus (#)Club-winged Manakin Allocotopterus deliciosus Thrush-like Schiffornis Schiffornis turdinus TYRANNIDAE Black Phoebe Sayornis nigricans Propical Kingbird Tyrannus melancholicus Piratic Flycatcher Legatus leucophaius Boat-billed Flycatcher Megarynchus pitangus Golden-crowned Flycatcher Myiodynastes chrysocephalus Rusty-margined Flycatcher Myiozetetes cayanensis Social Flycatcher Myiozetetes similis Grey-capped Flycatcher Myiozetetes simalis Grey-capped Flycatcher Myiozetetes granadensis Pusky-capped Flycatcher Myiozetetes granadensis Social Flycatcher Myiozetetes granadensis Red-eyed Vireo Vireo olivaceus Brown-capped Vireo Vireo olivaceus Brown-capped Vireo Vireo olivaceus Brown-capped Vireo Molothrus bonariensis (*)Grey-breasted Flycatcher Lathrotriccus griseipectus Connamon Flycatcher Myiophobus phoenicomitra Flavescent Flycatcher Myiophobus phoenicomitra Flavescent Flycatcher Myiophobus phoenicomitra Flavescent Flycatcher Myiophobus phoenicomitra Flavescent Flycatcher Myiophobus flosiciaus White-broated Spadebill Platyrinchus mystaceus Common Tody-flycatcher Todirostrum cinereum		(sungumoienta)	SYI VIIDAF	
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Thrush-like Schiffornis	Golden-winged Manakin	Masius chrysopterus	Tawny-faced Gnatwren	Microbates cineiventris
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Golden-crowned Flycatcher	Golden-winged Manakin		Tawny-faced Gnatwren	
Rusty-margined Flycatcher	Golden-winged Manakin		Tawny-faced Gnatwren	
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Grey-capped Flycatcher	Golden-winged Manakin	Masius chrysopterus Manacus manacus Allocotopterus deliciosus Schiffornis turdinus Sayornis nigricans Tyrannus melancholicus Legatus leucophaius Megarynchus pitangua Myiodynastes chrysocephalus	Tawny-faced Gnatwren	
Bright-rumped Attila	Golden-winged Manakin	Masius chrysopterus Manacus manacus Allocotopterus deliciosus Schiffornis turdinus Sayornis nigricans Tyrannus melancholicus Legatus leucophaius Megarynchus pitangua Myiodynastes chrysocephalus Myiozetetes cayanensis	Tawny-faced Gnatwren	
Dusky-capped Flycatcher	Golden-winged Manakin	Masius chrysopterus Manacus manacus Allocotopterus deliciosus Schiffornis turdinus Sayornis nigricans Tyrannus melancholicus Legatus leucophaius Megarynchus pitangua Myiodynastes chrysocephalus Myiozetetes cayanensis Myiozetetes similis	Tawny-faced Gnatwren	
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(*)Grey-breasted Flycatcher Lathrotriccus griseipectus Tawny-breasted Flycatcher Myiobius villosus Ornate Flycatcher Myiotriccus ornatus Cinnamon Flycatcher Pyrrhomyias cinnamomea Orange-crested Flycatcher Myiophobus phoenicomitra Flavescent Flycatcher Myiophobus placher Bran-coloured Flycatcher Myiophobus flavicans White-throated Spadebill Platyrinchus mystaceus Fulvous-breasted Flatbill Rhynchocyclus fulvipectus Common Tody-flycatcher Todirostrum cinereum Giant Cowbird Scaphidura oryzivora Russet-backed Oropendola Psarocolius angustifrons (atrocastaneus) Scarlet-rumped Cacique Cacicus uropygialis PARULIDAE Black-and-white Warbler Mniotilta varia Tennessee Warbler Vermivora peregrina Tropical Parula Parula Parula pitiayumi Cerulean Warbler Dendroica fusca Cerulean Varbler Dendroica fusca Blackburnian Warbler Dendroica fusca	Golden-winged Manakin	Masius chrysopterus Manacus manacus Allocotopterus deliciosus Schiffornis turdinus Sayornis nigricans Tyrannus melancholicus Legatus leucophaius Megarynchus pitangua Myiodynastes chrysocephalus Myiozetetes cayanensis Myiozetetes similis Myiozetetes granadensis Attila spadiceus Myiarchus tuberculifer Contopus sordidulus	Tawny-faced Gnatwren	
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White-throated Spadebill Platyrinchus mystaceus Fulvous-breasted Flatbill Rhynchocyclus fulvipectus Common Tody-flycatcher Todirostrum cinereum Iropical Parula Parula Parula Parula Cerulead Cerulean Warbler Dendroica cerulead Blackburnian Warbler Dendroica fusca Marked Yallouthroat Centhhylic agrupactialis	Golden-winged Manakin	Masius chrysopterus Manacus manacus Allocotopterus deliciosus Schiffornis turdinus Sayornis nigricans Tyrannus melancholicus Legatus leucophaius Megarynchus pitangua Myiodynastes chrysocephalus Myiozetetes cayanensis Myiozetetes granadensis Attila spadiceus Myiarchus tuberculifer Contopus sordidulus Contopus furnigatus Empidonax virescens Lathrotriccus griseipectus Myiotriccus ornatus Pyrrhomyias cinnamomea Myiophobus phoenicomitra Myiophobus flavicans	Tawny-faced Gnatwren	
Fulvous-breasted Flatbill	Golden-winged Manakin	Masius chrysopterus Manacus manacus Allocotopterus deliciosus Schiffornis turdinus Sayornis nigricans Tyrannus melancholicus Legatus leucophaius Megarynchus pitangua Myiodynastes chrysocephalus Myiozetetes cayanensis Myiozetetes granadensis Myiozetetes granadensis Attila spadiceus Myiarchus tuberculifer Contopus sordidulus Contopus furnigatus Empidonax virescens Lathrotriccus griseipectus Myiotriccus ornatus Pyrrhomyias cinnamomea Myiophobus flavicans Myiophobus pulcher	Tawny-faced Gnatwren	
Common Tody-flycatcher	Golden-winged Manakin	Masius chrysopterus Manacus manacus Allocotopterus deliciosus Schiffornis turdinus Sayornis nigricans Tyrannus melancholicus Legatus leucophaius Megarynchus pitangua Myiodynastes chrysocephalus Myiozetetes cayanensis Myiozetetes similis Myiozetetes granadensis Attila spadiceus Myiarchus tuberculifer Contopus sordidulus Contopus fumigatus Empidonax virescens Lathrotriccus griseipectus Myiotriccus ornatus Pyrrhomyias cinnamomea Myiophobus phoenicomitra Myiophobus plavicans Myiophobus pucher Myiophobus fasciatus	Tawny-faced Gnatwren	
	Golden-winged Manakin	Masius chrysopterus Manacus manacus Allocotopterus deliciosus Schiffornis turdinus Sayornis nigricans Tyrannus melancholicus Legatus leucophaius Megarynchus pitangua Myiodynastes chrysocephalus Myiozetetes cayanensis Myiozetetes similis Myiozetetes granadensis Attila spadiceus Myiarchus tuberculifer Contopus sordidulus Contopus fumigatus Empidonax virescens Lathrotriccus griseipectus Myiobius villosus Myiotriccus ornatus Pyrrhomyias cinnamomea Myiophobus phoenicomitra Myiophobus flavicans Myiophobus flavicans Myiophobus flaciatus Platyrinchus mystaceus	Tawny-faced Gnatwren TURDIDAE Andean Solitaire (#)Black Solitaire Slaty-backed Nightingale-Thrush Swainson's Thrush Pale-eyed Thrush Ecuadorian Thrush Ecuadorian Thrush Red-eyed Vireo Brown-capped Vireo Lesser Greenlet ICTERIDAE Shiny Cowbird Giant Cowbird Russet-backed Oropendola Scarlet-rumped Cacique PARULIDAE Black-and-white Warbler Tennessee Warbler Tropical Parula Cerulean Warbler	Myadestes ralloides Entomodestes coracinus Catharus fuscater Catharus ustulatus Platycichla leucops Turdus serranus Turdus obsoletus Turdus maculirostris Vireo olivaceus Vireo leucophrys Hylophilus decurtatus Molothrus bonariensis Scaphidura oryzivora Psarocolius angustifrons (atrocastaneus) Cacicus uropygialis Mniotilta varia Vermivora peregrina Parula pitiayumi Dendroica cerulea ^{cd}
Scare-cressed i reint-cyl alle	Golden-winged Manakin	Masius chrysopterus Manacus manacus Allocotopterus deliciosus Schiffornis turdinus Sayornis nigricans Tyrannus melancholicus Legatus leucophaius Megarynchus pitangua Myiodynastes chrysocephalus Myiozetetes cayanensis Myiozetetes similis Myiozetetes granadensis Attila spadiceus Myiarchus tuberculifer Contopus sordidulus Contopus fumigatus Empidonax virescens Lathrotriccus griseipectus Myiotriccus ornatus Pyrrhomyias cinnamomea Myiophobus phoenicomitra Myiophobus flavicans Myiophobus flavicans Myiophobus fasciatus Platyrinchus mystaceus Rhynchocyclus fulvipectus	Tawny-faced Gnatwren TURDIDAE Andean Solitaire (#)Black Solitaire Slaty-backed Nightingale-Thrush Swainson's Thrush Pale-eyed Thrush Ecuadorian Thrush VIREONIDAE Black-billed Peppershrike Red-eyed Vireo Brown-capped Vireo Lesser Greenlet ICTERIDAE Shiny Cowbird Giant Cowbird Russet-backed Oropendola Scarlet-rumped Cacique PARULIDAE Black-and-white Warbler Tennessee Warbler Tropical Parula Cerulean Warbler Blackburnian Warbler	Myadestes ralloides Entomodestes coracinus Catharus fuscater Catharus ustulatus Platycichla leucops Turdus serranus Turdus obsoletus Turdus maculirostris Cyclarhis nigrirostris Vireo olivaceus Vireo leucophrys Hylophilus decurtatus Molothrus bonariensis Scaphidura oryzivora Psarocolius angustifrons (atrocastaneus) Cacicus uropygialis Mniotilta varia Vermivora peregrina Parula pitiayumi Dendroica fusca

Olive-crowned Yellowthroat Geo Canada Warbler Wi American Redstart S Slate-throated Whitestart My Golden-bellied Warbler Basileute Three-striped Warbler Basile	lsonia canadensis etophaga ruticilla yioborus miniatus erus chrysogaster
COEREBIDAE Bananaquit	Diglossa albilatera Ossa caerulescens Diglossa indigotica
TERSINIDAE Swallow Tanager	Tersina viridis
THRAUPIDAE (#)Yellow-collared Chlorophonia	nia cyanocephala nia xanthogaster uphonia saturata honia laniirostris idea melanonota hrysa phoenicotis Tangara rufigula Tangara arthus ara icterocephala ngara parzudakii ngara labradorides angara ruficervix Tangara larvata angara ruficervix Tangara ruficervix Tangara gyrola ngara nigroviridis Tangara vassorii Tangara heinei nathus flavinucha gnathus notabilis raupis episcopus bis cyanocephala raupis palmarum
Summer Tanager Scarlet Tanager White-winged Tanager Ochre-breasted Tanager White-lined Tanager White-shouldered Tanager Tachyt Rufous-chested Tanager Ash-throated Bush-tanager Chlorosp (#)Dusky-bellied Bush-tanager Chlorospi FRINGILLIDAE	(icteronotus) Piranga rubra Piranga olivacea ranga leucoptera aupis stolzmanni ichyphonus rufus shonus luctuosus rufus ingus flavigularis ingus canigularis ingus semifuscus
Buff-throated Saltator S Black-winged Saltator S Slate-coloured Grosbeak Pheuctic Rose-breasted Grosbeak Pheucti Blue-black Grassquit V Yellow-faced Grassquit S Slate-coloured Seedeater Spore Black-and-white Seedeater Spore Pellow-bellied Seedeater Spore Dull-coloured Grassquit	ultator atripennis Pitylus grossus cus chrysopeplus icus ludovicianus /olatinia jacarina Tiaris olivacea ophila schistacea phila americana orophila luctuosa rophila nigricollis

Blue Seedeater	Amaurospiza concolor
Band-tailed Seedeater	Catamenia analis
Slaty Finch	Haplospiza rustica
Tricoloured Brush-finch	Atlapetes tricolor
Chestnut-capped Brush-finch	Atlapetes brunneinucha
Stripe-headed Brush-finch	Atlapetes torquatus
(*)(#)Tanager Finch	Oreothraupis arremonops
Olive Finch	Lysurus castaneiceps
Orange-billed Sparrow	Arremon aurantiirostris
Black-striped Sparrow	Arremonops conirostris
Rufous-collared Sparrow	Zonotrichia capensis
Yellow-bellied Siskin	Spinus xanthogastra
Lesser Goldfinch	Spinus psaltria

Threatened and near-threatened species are designated (*) and restricted-range species are designated (#).

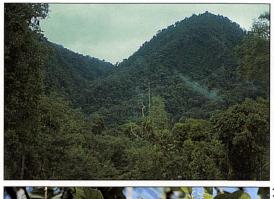
^a J. Sterling in litt. ^b Arvin² ^c Rob Clay in litt. (male on 15 March 1994 – notes sent to Bob Ridgely who accepted it as the first record from the west slope). ^d Samuel Hansson in litt. to Chris Balchin (male on 10 December 1994, see Neotropical Notebook this issue).

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- I Forest above Mindo (Michael Køie Poulsen)
- 2 Common Potoo *Nyctibius griseus* (Robert S. R. Williams)
- 3 Spotted Barbtail Premnoplex brunnescens (Robert S. R. Williams)
- 4 Southern Nightingale-Wren Microcerculus marginatus (Robert S. R. Williams)
- 5 Golden-winged Manakin *Masius chrysopterus* (Robert S. R. Williams)
- 6 Violet-tailed Sylph Aglaiocercus coelestis (Robert S. R. Williams)