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A preliminary avifaunal survey along the Rio Yanayacu-Pucate, Pacaya Samiria National Reserve, Loreto, Peru (*****)

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Abstract

We present the results of a rapid avifaunal survey along the Rio Yanayacu-Pucate, an area hitherto unvisited by ornithologists, within the Pacaya-Samiria National Reserve (PSNR), Loreto, Peru. We recorded 246 species in eleven days of field work, including five new records for PSNR (*Cathartes burrovianus*, *Picumnus castelnau*, *Catharus ustulatus*, *Sporophila bouvronides*, *Hemithraupis guira*). We also present noteworthy distributional and ecological data on an additional 13 species.

Key words: bird diversity, western Amazonia, varzea.

Resumen

Se presentan los resultados de un inventario ornitológico rapido a lo largo del Rio Yanayacu-Pucate, un sitio que no ha sido visitado antes por ornitologos, en la Reserva Nacional Pacaya-Samiria (PSNR), Loreto, Perú. Se han registrado 246 especies en onze dias de

trabajo de campo, con 5 nuevos registros para PSNR (*Cathartes burrovianus, Picumnus castelnau, Catharus ustulatus, Sporophila bouvronides, Hemithraupis guira*). También se presentan datos notables sobre la distribución y ecología de otras 13 especies.

Palabras clave: avifauna, diversidad, Amazonia occidental, varzea.

Introduction

This paper presents bird records based on sight records, tape recordings, mist net captures, and specimens collected during a preliminary multi-taxa survey (ECOMUSA Project) conducted by the Museo di Storia Naturale di Carmagnola (Torino, Italy) and the Universidad Nacional de la Amazonia Peruana, Iquitos (Loreto, Peru) at two sites in the Pacaya-Samiria National Reserve (PSNR), Loreto, northeastern Peru, from March 14 to March 24, 2002.

The PSNR is the largest protected area in the Peruvian Amazon, covering over 2 million hectares. It is located south of the Amazon/Maranon river, and east of the Ucayali, two important biogeographical barriers (fig. 1), and its avifauna thus differs to some extent from that of other localities in Loreto located on the north bank of the Amazon/Maranon. Extensive ornithological field work was conducted in PSRN by Begazo & Valqui (1998a), resulting in a total of approximately 495 species recorded from the reserve (Begazo &Valqui, 1998b). Nevertheless, vast areas of the PSRN remain unexplored by ornithologists. Ours is the first ornithological survey along the Rio Yanayacu-Pucate, which is a different river from the Rio Yanayacu where Begazo & Valqui (1998a) conducted part of their field work.

Study Sites

XX de Enero (4° 39' S, 73° 49' W; 102 m a.s.l., March 14 and March 21-24). This is a small village on the right bank of the Rio Yanayacu-Pucate, about 1 km upstream from its confluence with the Maranon River. Habitats near the



Fig. 1. Map of the Rio Yanayacu-Pucate with the localization of Yarina and XX de Enero.



Fig. 2. Views of the flooded varzea forest close to XX de Enero. (Photo S. Zucca).

village where field work was conducted include orchards, second growth, rather degraded varzea forest behind the village, flooded varzea forest (surveyed by canoe), and flooded, *Cecropia* dominated second growth.

Yarina (4° 45' S, 73° 59' W; m 110 a.s.l., March 15-21). This is another small village on the right bank of the Yanayacu-Pucate, about 20 km upstream from XX de Enero. Human impact is much more limited here, and there are no other settlements on the Yanayacu-Pucate upstream from Yarina. Most of the field work here was concentrated in varzea and transitional forest. Sporadic observations were also made during boat travel between the two sites.

Methods

Birds were recorded through visual observations using 8 x 42 and 10 x 40 binoculars and tape recorded with a Sony TCM 5000 tape recorder and Sennheiser ME 80 directional microphone. Surveys were conducted either on foot, or by canoe on the Rio Yanayacu-Pucate. In addition, mist-nets set from ground level to 2 meters high were used at both XX de Enero and Yarina in order to sample the understory avifauna. Mist-net lines of 10-20 nets (using 12-meter nets) were run for a total of 570 net-hours at Yarina and 300 net-hours at XX de Enero. A total of 196 individuals of 58 species were mist-netted in both sites among them 8 species were detected exclusively by mist-net capture. Field work



Fig. 3. View of the Rio Yanayacu-Pucate close to Yarina. (Photo M. Pavia).

was carried out under a specific permit from the "Instituto Nacional de Recursos Naturales, Ministero de Agricultura, Republica del Perù" n° 01 C/C-2002-INRENA-DGANP of the 12/3/02. The collected specimens are held in the Museo Civico di Storia Naturale of Carmagnola, Italy (MCCI) and at the Universitad de la Amazonia Peruana, Peru (UNAP) (fig. 4).

All bird photographs are by G. B. (cfr. figs. 5-17); video recordings were made by Alberto Tamietti. Taxonomy and nomenclature of birds follow Schulemberg *et al.* (2007).

Results

A total of 246 bird species were recorded at our two study sites, with 190 species recorded at Yarina, and 144 species recorded at XX de Enero (Appendix I). These include five new records for Pacaya-Samiria National Reserve according to Begazo and Valqui (1998b). More details on these and other noteworthy records are found below.

Lesser Yellow-headed Vulture Cathartes burrovianus -This species was found to be fairly common at XX de Enero, with approximately 10 individuals sighted on March 22 and 23. Surprisingly, this species was not listed by Begazo and Valqui (1998b) as occurring in PSNR. Nevertheless, the species is common at Iquitos and its presence in the XX de Enero area is not unexpected.

"Painted" Parakeet Pyrrhura cfr. picta - This species was recorded on three occasions: a flock of 4 individuals between XX de Enero and Yarina on March 14, a single individual at Yarina on March 15, and a flock of 10 birds there on March 16. The P. picta complex has recently been the focus of taxonomic studies arguing that it is best considered as comprising six species, including two previously undescribed ones (Joseph 2002). An undescribed form of P. picta (sensu latu) is found south of the Amazon and east of the Ucavali in Peru, and this could be the taxon occurring in Pacaya-Samiria (T. Schulenberg in litt.). The newly described (Joseph, 2002) Wavy-breasted Parakeet P. peruviana was collected in the 19th century at Chamicuros, which does not appear on modern maps, but was apparently on the upper Rio Samiria (T. Schulenberg in litt.). This taxon could also therefore occur in PSNR. Unfortunately, all sightings of this species were too distant to note exact plumage details, but establishing which taxon (or taxa) of the P. picta complex occur in PSNR should be a priority in any further surveys.

Rufous-necked Puffbird *Malacoptila rufa* - At Yarina, one individual of this species was observed as it perched silently on a horizontal branch about 2 meters above the ground on March 15. It was remarkably tame, and allowed itself to be approached as close as 1.5 meters before flushing. There are five previous sightings of this generally rare and inconspicuous species from PSNR (Begazo & Valqui, 1998a); our record



Fig. 4 - Most woodcreepers have very similar rust-brown, creamy-spotted plumages. Left to right specimens of: *Xiphorhynchus elegans* MCCI-2504, *X. obsoletus* MCCI-2522, *X. picus* MCCI-2523 and *Deconychura stictolaema* MCCI-2525.

from a new location suggests that it is rather widely distributed throughout PSNR. Furthermore, at another site in Loreto south of the Amazon (but east of the Ucayali), this species "was encountered with surprising frequency" (Robbins et al., 1991), suggesting that this species may in fact be more common than previously thought, at least in this part of the Peruvian Amazon.

Plain-breasted Piculet *Picumnus castelnau* - At least three individuals of this species were observed (and one video-taped) in flooded forest and *Cecropia*-dominated second growth at XX de Enero on March 23. This is the first record for PSNR of this generally uncommon and local species.

Spot-throated Woodcreeper *Deconychura stictolaema* (figs. 4, 9) - Until recently, most literature treated this



Fig. 5. Bucco macrodactylus.

species as uncommon to rare throughout its range, and restricted to terra firme forest (Ridgely & Tudor, 1994). In Peru, it is listed "rare and local in humid lowland terra firme" (Clements & Shany, 2001), and "rare to uncommon" (Schulenberg et al., 2007); a recent summary of the status and distribution of birds in Loreto (Wiley, 1999) lists its status and habitat preferences in the province as unknown, thus underlining how poorly known this species is in Peru. This taxon was actually rather common at Yarina, with four individuals captured in mist-nets during a relatively limited effort (in fact, this was the 8th commonest species mist-netted at Yarina), a single individual observed foraging about 1 meter above the ground with an understory mixed-species flock on March 18, and another individual observed on March 20. These findings are supported by the latest literature on this species (Marantz et al., 2003), which states that D. stictolaema is actually fairly common to common through most of its range, occurs in both terra firme and varzea, and is most easily detected through mist-netting. This species was not included in a checklist of PSNR by Begazo & Valqui (1998b), although there apparently are previous records from the Reserve (R. Ridgely in litt.).

SPECIMEN DATA – MCCI-2524 (skin and tissue), male, wing: 85.0; tail: 20.0; tarsus: 21.9. MCCI-2525 (skin and tissue), male, wing: 82.5; tail: 64.0; tarsus: 20.0; bill: 21.4; iris: dark-brown.

Buff-throated Woodcreeper *Xiphorhynchus guttatus* - An individual of this species collected at Yarina on March 15 showed well developed testes $(10 \times 1 \text{ mm})$, indicating ongoing breeding activity. We report this datum in order to improve knowledge on the reproductive biology of neotropical birds, as we have done for the recently investigated Parque Nacional de Yanachaga-Chemillen (Pasco, Peru) (Janni *et al.*, in press).

SPECIMEN DATA – MCCI-2598 (alcohol and tissue), male, wing: 127.0; flat wing: 120.0; tail: 110.0; tarsus: 24.7; bill: 41.3; iris: grey-brown; legs: azure-grey; testes: 10.0 x 7.0.

Red-and-white Spinetail *Certhiaxis mustelina* - Very little is known about the nesting biology of this bird, with only a description of the nest being available (Remsen, 2003). On March 23 we located and video-taped an active nest of this species in flooded, *Cecropia*-dominated second growth at XX de Enero. The nest was a ball of small sticks, about 30 cm in diameter, placed on a horizontal branch about 2 meters above the water. The birds did not appear to be feeding young, and may have been incubating. The nest agrees well with the description provided by Remsen (2003), and the timing suggests that at least in Peru this species nests during high-water season.

Plain-winged Antshrike *Thamnophilus schistaceus* - Begazo & Valqui (1998b) list both this species and the closely related Mouse-coloured Antshrike *T. murinus* as uncommon in PSNR. At both Yarina and XX de

Enero, *T. schistaceus* was the only member of this species pair to be recorded, and was in fact common at Yarina, with up to 8 individuals seen or heard daily.

Silvered Antbird Sclateria naevia - This species was only recorded at Yarina, with 2 individuals heard singing and one individual seen, all in small swampy areas inside the forest. Surprisingly, this species was never seen nor heard in riverside vegetation, despite considerable time spent in canoes in apparently suitable habitat. The Silvered Antbird is said to be often found in the same places as Hypocnemoides antbirds (Zimmer & Isler, 2003), but at Yarina these species were found in different habitats: while the Band-tailed Antbird Hypocnemoides maculicauda was fairly common in riverside vegetation along the Rio Yanavacu-Pucate, with up to 5 birds heard daily in this habitat, S. naevia was not recorded along the river; conversely, H. maculicauda was not recorded in the swampy areas inside forest where S. naevia was found.

Spot-backed Antbird *Hylophylax naevius* (fig. 15) -This species was found to be fairly common at Yarina. Recent studies suggest that *H. naevius* may actually include more than one species, and vocal differences play an important role in establishing species limits within this complex (Zimmer & Isler, 2003). An individual tape-recorded on March 15 in varzea at Yarina matched example 3 on Isler & Whitney's CD (2001), a form which is supposed to occur in terra firme forest. Additional tape recordings of *H. naevius* from PSNR would be useful to shed further light on the issue. SPECIMEN DATA – MCCI-2599 (tissue sample, skin in

the UNAP), male, *wing*: 60.0; *tail*: 39.0; *tarsus*: 20.5; *bill*: 17.3.

Black-faced Antthrush Formicarius analis (fig. 12) and Rufous-capped Antthrush Formicarius colma (fig. 13)-These two species are sympatric over a broad area of Amazonia. Where found together, they tend to segregate by habitat, with F. colma being found mostly in higher ravines and on drier ridges, and F. analis preferring second growth and varzea, although factors affecting their distributions in some areas are not well known (Krabbe & Schulenberg, 2003). At Yarina, both species were common, F. analis especially so (or perhaps simply more vocal). Four individuals of F. analis and five F. colma were mist-netted here. Interestingly, the two species seemed to share the same habitat here, with 2 F. analis and 3 F. colma being captured in a single line of mist-nets on March 15, and both species being repeatedly recorded by sight and sound along the short trail behind the lodgings. At XX de Enero however only *F. analis* was recorded.

SPECIMEN DATA – Formicarius analis – MCCI-2532 (skin and tissue), female, wing: 90.5; tail: 52.5; tarsus: 32.0; bill: 23.9; weight: 50.0; bill: black; legs: pinkish-grey. MCCI-2602 (tissue sample, skin in the UNAP), female, wing: 91.0; tail: 50.0; tarsus: 31.6; bill: 20.5, weight: 45.0 g. MCCI-2601 (tissue sample, skin in the UNAP), male, wing: 96.0; tail: 59.0; tarsus: 29.3; bill: 25.1, weight: 49.4 g. Formicarius colma – MCCI-2530 (skin and tissue), male, wing: 87.5; tail: 53.0; tarsus: 30.1; bill: 22.7; iris: chocolate-brown; bill: blackish-grey; legs: brown-grey. MCCI-2600 (tissue sample, skin in the UNAP), female, wing: 84.0; tail: 58.0; tarsus: 27.8; bill: 20.4, weight: 39.7 g.

White-headed Marsh-Tyrant Arundicola leucocephala - (fig. 16) - An individual of this species collected at XX de Enero on March 22 showed well developed testes (6 x 2 mm), as a proof of an ongoing breeding activity. There is no information on breeding in Peru, but in Colombia birds in breeding condition have been reported between January and March (Hilty & Brown, 1986). SPECIMEN DATA – MCCI-2543 (skin and tissue), male, wing: 63.0; tail: 46.0; tarsus: 16.1; bill: 17.0; weight: 13.0; iris: dark brown; legs: blackish. MCCI-2603 (tissue sample, skin in the UNAP), female, wing: 53.0; tail: 42.0; tarsus: 15.6; bill: 18.5; iris: dark brown; legs: blackish.

Johannes's Tody-Tyrant *Hemitriccus iohannis* - Single individuals, possibly the same bird, were observed on March 22 and 23 in flooded, *Cecropia*-dominated second growth at XX de Enero. These observations, along with those of Begazo & Valqui (1998a), suggest that this generally uncommon species is widespread in PSNR.

Swainson's Thrush *Catharus ustulatus* - A single bird observed at Yarina on March 15 constitutes the first record for PSNR. Given the date, this individual is perhaps more likely to have been a spring transient rather than a wintering bird, especially since the wintering range of Swainson's Thrush centres on Andean slopes rather than the Amazonian lowlands (Ridgley & Tudor, 1994). A recent review of the wintering range of the congeneric Veery *C. fuscescens* showed that in order to accurately determine the wintering ranges of North American migrants, only records from mid-winter (December-February) should be used (Remsen, 2001), and surveys during this period would be needed in order to assess whether *C. ustulatus* actually winters in PSNR.

Lesson's Seedeater *Sporophila bouvronides* - Six adult males were observed at very close range as they were feeding in tall riverside grasses at Yarina on March 16, the lack of a white crown stripe separating this species from the similar Lined Seedeater *S. lineola* being quite evident. This is the first record of this species from PSNR.

Black-and-white Seedeater *Sporophila luctuosa* - A single adult male was in a mixed *Sporophila* flock between XX de Enero and Yarina on March 14. Although there is at least one previous record of this species from PSNR, our sighting is nevertheless noteworthy since this species is generally restricted to Andean slopes above 1200 meters, and only occasionally occurs in the Amazonian lowlands (Ridgely & Tudor, 1989). Collecting such records may therefore help to establish temporal pat-

terns of occurrence for this species away from the Andes; records in the Amazonian lowlands of southeastern Peru in Madre de Dios span the period from August to November, while in nearby western Amazonian Brazil on the upper Rio Juruà *S. luctuosa* was recorded in December, January, and February (Whittaker & Oren, 1999). Records in the Amazonian lowlands of Ecuador span the period between August and January (Ridgely & Greenfield, 2001). Our record suggests that at least in the northern Peruvian Amazon this species also occurs somewhat later in the year.

Guira Tanager *Hemithraupis guira* - A single individual in a mixed species canopy flock upstream from Yarina on March 19 is a first record for PSNR. The lack of previous records for this normally reasonably common and conspicuous species is somewhat puzzling.

Discussion

The relatively brief duration of the survey allowed us only a preliminary assessment of the avifauna of the area, and the list compiled is certainly very incomplete. In particular, tyrant flycatchers (Tyrannidae) and ovenbirds (Furnariidae) are probably particularly under-represented, due to difficulties with field identification and lack of familiarity with some vocalisations. Species restricted to the canopy are also likely to be under-represented, again due to identification difficulties with distant, fast-moving canopy flocks and the impossibility of using mist-nets to sample this habitat. More puzzling was the lack of certain vocally conspicuous species, such as Screaming Piha Lipaugus vociferans, that were not detected despite being reportedly common in other parts of PSNR. In fact several other species typical of varzea habitats, such as Varzea Schiffornis Schiffornis major and Cinnamon Attila Attila cinnamomeus, were detected by voice only very infrequently, which may reflect a lack of vocal activity by some species at this time of the year rather than their actual absence or scarcity.

Nevertheless, some preliminary conclusions can be drawn. The 190 species recorded at Yarina in six days of field work suggest that this area harbours a very high diversity of species. Furthermore, the presence of species such as Palewinged Trumpeter *Psophia leucoptera* and Redand-green Macaw *Ara chloroptera* suggest a low level of human disturbance.

Species diversity at XX de Enero is likely to be significantly lower than at Yarina. Although 144 species were recorded here in three days of field work (similar to the total recorded over the first three days at Yarina), it is likely that a higher proportion of the avifauna was recorded at XX de Enero due to the greater detectability of many of the species there. Of the 246 species recorded overall, only 109 were recorded at both sites. This is due

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Fig. 6. Galbula cyanicollis.



Fig. 7. Galbula cyanescens.



Fig. 8. *Pteroglossus azara* was present with the brown-mandibled subspecies *mariae*.



Fig. 9. Deconychura stictolaema, male.



Fig. 10. Xenops minutus, male.



Fig. 11. *Hypocnemis cantator,* female: according the split proposed by Isler *et al.* (2007), the taxon found in PSRN is *H. peruviana*.



Fig. 12. Formicarius analis, juvenile.



Fig. 13. Formicarius colma.



Fig. 14. Phlegopsis nigromaculata, male.



Fig. 15. Hylophylax naevius, male.



Fig. 16. Arundicola leucocephala, male.



Fig. 17. *Pipra filicauda*, male, the commonest species in the mist-net sample.

to the differences in habitat and in human disturbance. Most of the species present at XX de Enero and not recorded at Yarina fall in three different categories. The first includes species closely associated with disturbed and open habitats, such as Canary-winged Parakeet *Brotogeris versicolurus*,





Little Cuckoo Piaya minuta, Striped Cuckoo Tapera naevia, House Wren Troglodytes aedon and Yellowbrowed Sparrow Ammodramus aurifrons. The second category includes taxa associated with river and marsh habitats, which occur at XX de Enero due to its proximity to the Maranon river. These include birds such as Neotropic Cormorant Phalacrocorax brasilianus, Snowy Egret Egretta thula, Pied Lapwing Hoploxypterus cayanus, Large-billed Tern Phaetusa simplex, Yellow-billed Tern Sternula superciliaris, White-headed Marsh-Tyrant Arundicola leucocephala, Yellow-hooded Blackbird Chrysomus icterocephalus, and others. This reflects a pattern previously reported elsewhere in Loreto, with species such as Phalacrocorax brasilianus, Phaetusa simplex and Sternula superciliaris being recorded along smaller rivers only in the immediate vicinity of their mouths (Diamond & Terborgh, 1967). The third category includes species associated with successional habitats on river islands. They include among others Lesser Hornero Furnarius minor, Red-and-white Spinetail Certhiaxis mustelina, and Leaden Antwren Myrmotherula assimilis. Since river island habitats were not sampled extensively at XX de Enero, other species, such as Castelnau's Antshrike Thamnophilus cryptoleucus and Ash-breasted Antbird Myrmoborus lugubris are likely to be present here as well. On the other hand, almost all of the species present at Yarina, but absent from XX de Enero are tied to forest habitats, and the few aquatic birds recorded at Yarina, but not at XX de Enero, such as Agami Heron Agamia agami, Green Ibis Mesembrinibis cayennensis, and Horned Screamer Anhima cornuta, are typically found in relatively undisturbed habitats. Out of a total of 57 bird species mist-netted in the forest undergrowth, 32 were found at XX de Enero and 38 at Yarina (fig. 18). The greater diversity of forest species at Yarina is further underlined by the fact that certain forest-based families, such as the typical antbirds (Thamnophilidae) were much better represented at Yarina than at XX de Enero (19 species vs. 12 species).

Further surveys are clearly needed in order to achieve a reasonably complete bird list for the Yanayacu-Pucate area, but preliminary results indicate that this area supports an interesting and diverse Amazonian avifauna. Possible priorities for future surveys include better sampling of the canopy avifauna, clearing up the taxonomic status of a number of forms occurring in the reserve, including *Pyrrhura picta* and *Hylophylax naevius*, searching for populations of threatened species that have been recorded elsewhere in the reserve (most notably Wattled Curassow *Crax globulosa*) and surveying the upper reaches of the Rio Yanayacu-Pucate, which have not yet been visited by ornithologists.

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Appendix 1 - List of the species observed during the ECOMUSA survey in the Pacaya-Samiria National Reserve. For the two different localities an indicative abundance value is also given, based on our own data. **C:** Common (5+ individuals recorded daily), **F:** Fairly

common (recorded on most days, usually less than 5 individuals), **U**: Uncommon (not recorded most days), R: Rare (no more than 1-2 records per site).

The (*) mark species documented with photo and/or specimen.

Common Name	Scientific Name	Yarina	XX Enero	Documented
Cinereous Tinamou	Crypturellus cinereus	F	U	
Little Tinamou	Crypturellus soui	U	U	
	Crypturellus undulatus	F	F	
Neotropic Cormorant	Phalacrocorax brasilianus	L L		
Rufescent Tiger-Heron	Tigrisoma lineatum	U		
Capped Heron	Pilherodius pileatus	F	1.1	
Bost-billed Heron	Cochlearius cochlearius	1	U	
Cattle Egret	Bubulcus ibis	0	1.1	
Striated Heron	Butorides striata	L	C	
Snowy Egret	Egretta thula	0	U	
Great Egret	Ardea alba	U	F	
Cocoi Heron	Ardea cocoi	C	ſ	
Agami Heron		R	C	
Green Ibis	Mesembrinihis cavennensis	F		
Horned Screamer	Anhima cornuta			
Muscovy Duck			11	
Black Vulturo	Carinia moschata	E	C	*
	Coragyps attatus	1	C	*
Lossor Vallow boaded Vulture	Cathartes aura	0	E	*
Croater Vellow boaded Vulture	Cathartes burrovianus	F	1	
King Vulturo	Sarcoramphus papa	1	11	
	Pandion baliantus	0	U	
Ospiley Slandar billad Kita	Postrhamus hamatus	11	U	
Siender-Diffed Kite		E	E	
Flumbeous Kite		F	Г	
Creat Black Llawk		U		
Great Black-Hawk		0	C	*
Black-collared Hawk	Busarellus higricollis	U	C	
Roadstoe Hawk	Buteo magnirostris	U	C	
Red-throated Caracara	Departmine eter	U		
Vallow booded Caregory	Dapinus aler	С Г	C	
	Milvago chimachima	F	C	
Laughing Falcon	Ferpetotneres cachinnans	r.	0	
Bat Falcon		F		
Blue-throated Piping-Guan	Pipile cumanensis	R		
Pale-winged Trumpeter	Psopnia ieucoptera	ĸ		
Sungrebe	Heliornis fulica	L	F	*
Wattled Jacana	Jacana jacana		C	*
Pied Lapwing	Hoploxypterus cayanus		U	*
Spotted Sandpiper	Actitis macularia		0	
Large-billed lern	Phaetusa simplex		C	
Yellow-billed lern	Sternula superciliaris		C	
Pale-vented Pigeon	Patagioenas cayennensis	-	F	
Plumbeous Pigeon	Patagioenas plumbea	F	F	
Ruddy Pigeon	Patagioenas subvinacea	U	U	
Gray-fronted Dove	Leptotila rufaxilla	F	F	*
Blue-and-yellow Macaw	Ara ararauna	F		

Red-and-green Macaw Ara chloropterus U Red-belied Macaw Orthopsittac manulata F U Whte-eyed Parakeet Aratinga weddeldii F U Dasky-hoaded Parakeet Aratinga weddeldii F U "Painted" Parakeet Pyrrhua clt. picta U U Cobalt-winged Parakeet Brotogeris sancithomae U U Cobalt-winged Parakeet Brotogeris sancithomae U U Canary-winged Parot Piontes melanocephalus U U Orange-checked Parot Pionopsitta barabandi R F Sont-tailed Parot Conzighidascalts barabandi R F Graiguered Cuckoo Piaya minuta U C Graiguered Cuckoo Piaya minuta U C Graiguered Cuckoo Piaya minuta U F Sequired Cuckoo Piaya minuta U F Italite Cuckoo Piaya minuta U F Sequired Cuckoo Piaya minuta U	Common Name	Scientific Name	Yarina	XX Enero	Documented
Red-bellied Macaw Orthopsituaca manilata F U White eyed Trankeet Aratinga leucophthilma C C Dusky-heided Parakeet Pyrthura (t. pita U U "Painted! Parakeet Pyrthura (t. pita U U Cobalt-winged Parakeet Brotogeris exacutionmae U C Canary-winged Parakeet Brotogeris versicultura C C Black-capped Parrot Pionites melanocephalus U C Orange-cheeked Parrot Pionites melanocephalus U C Short-tailed Parrot Caraydidascalus brachyurus R F Bluc-haeded Parrot Pionage animos C C Short-tailed Parrot Anazona farizonica F F Signirel Cuckoo Piaya minura U C Singer Cuckoo Piaya minura U C Tropical Screech-Owl Megascopus vationii U C Tropical Screech-Owl Megascopus vationii U C Short-tailed Nighthawk Chocelles ruponization F C Common Paloo Nyctiking griecus F C Striged Cuckoo Tapera naevia U C Toropical Screech-Owl Megasco	Red-and-green Macaw	Ara chloropterus	U		
White-eyed ParakeetAratinga keucophthalmaCDasky-headed ParakeetAratinga weddelhiiFPainted ParakeetPyrthou Cit, pictaUDusky-billed ParoletForpas schateriUCobalt winged ParakeetBrotogeris sanctihomaeCCit i ParakeetBrotogeris sanctihomaeUCanary-winged ParakeetBrotogeris sanctihomaeUCanary-winged ParakeetBrotogeris sanctihomaeUCanary-winged ParakeetBrotogeris sanctihomaeCBlack-capped ParotPionogritts barchynursRShort-tailed ParotCarquidiascalus brachynursRBluch-badde ParotPionos menstruusCCarquidiascalus brachynursRFSquirel CuckooPiaya cayanaUVaelay ParotAmazona amazonicaFFSquirel CuckooPiaya cayanaUCStriped CuckooPiaya cayanaUCCreater AniGotophaga aniUCStriped CuckooPaya minuraUCHoatinCotophaga majorFFStriped CuckooMagascopus vakoniiU*Spected OwlMagascopus vakoniiU*Spected OwlPubatrix perspicilataFSSont-tailed SighthawkChordelles crimonorR*Sontailed NighthawkChordelles ripeerisFUSontailed NighthawkChordelles ripeerisFSCommon NighthawkChordelles ripeerisF <td>Red-bellied Macaw</td> <td>Orthopsittaca manilata</td> <td>F</td> <td>U</td> <td></td>	Red-bellied Macaw	Orthopsittaca manilata	F	U	
Dusky-hieaded ParakeetAratinga weddelliiFImagePinited' ParakeetPyrhara cir. pictaUUCobaltwinged ParakeetBrotogeris sancthhormeCCTui ParakeetBrotogeris sancthhormeCCTui ParakeetBrotogeris versicolurusCCBlack-capped ParrotPionies melanocephatusUConang-winged ParakeetBrotogeris versicolurusRFBlack-capped ParrotPionies melanocephatusRFShort-tailed ParrotPionies melanocephatusCOrange-cheekeed ParrotPionozon anazonicaFFSquirrel CuckooPiaya cayanaUCuckooPiaya cayanaUSinder CuckooPiaya cayanaUSinder CuckooPiaya cayanaUStriped CuckooPiaya cayanaUStriped CuckooRapera naeviaUStriped CuckooRapera naeviaUStriped CuckooRapera naeviaUTopical Streech-OwlMegascopus vationiiUStriped Screech-OwlMegascopus vationiiUShort-tailed NighthawkChordeles rigerationFCommon PaiooNycilibia grisusFUShort-tailed NighthawkChordeles rigerationRCommon PaiooNycilibia grisusFSShort-tailed SwiftChardeles rigerationRCommon Paioo <td>White-eyed Parakeet</td> <td>Aratinga leucophthalma</td> <td></td> <td>С</td> <td></td>	White-eyed Parakeet	Aratinga leucophthalma		С	
PaintedPyrhura cit. pictaUUDusky-billed ParakeetForpus sclateriUCobalt-winged ParakeetBrotogeris sencithomaeUCanary-winged ParakeetBrotogeris sencithomaeUCanary-winged ParakeetBrotogeris sencithomaeUCanary-winged ParakeetBrotogeris sencithomaeUCanary-winged ParotPionites melanocephalusUOrange-checked ParotPionites melanocephalusUBlue-headed ParotPionus menstruusRFBlue-headed ParotAmazona farinosaFFSquirrel CuckooPiaya cayanaUUSquirrel CuckooPiaya cayanaUCStriped CuckooPiaya cayanaUCTropical Screech-OwlMegascopus vatorniiU-Topical Screech-OwlMegascopus vatorniiU-Spectacled OwlPalascipuita vatorniiU-Spectacled OwlPalascipuita vatorniiU-Common PotooNyctibius griseusFUSont-Liled NighthawkChordelies trinorioR-Common NighthawkChordelies trinorioR-Sont-Liled NighthawkChordelies trinorioR-Common NighthawkChordelies trinorioR-Sont-Liled NighthawkChordelies trinorioR-Sont-Liled NighthawkChordelies trinorioR-Sont-Liled NighthawkChordelies trinorioR-Sont-Liled Night	Dusky-headed Parakeet	Aratinga weddellii	F		
Dusky-billed ParrottetForpus sclater!UCobalt-winged ParakeetBrotoger's synchtomaeUCanay-winged ParaketBrotoger's synchtomaeUBlack-capped ParrotPionites melanocephalusUOrange-checked ParrotPionites melanocephalusUShort-ailed ParrotGrayddascalus brachyunsRFBlue-headed ParrotAmazona amazonicaFFShort-ailed ParrotAmazona fanitosaFFSequirel CuckooPiaya cayanaUULittle CuckooPiaya cayanaUCSinged CuckooTapera neeviaUCStriped CuckooTapera neeviaUCHoatzinCotophaga majorFFStriped CuckooTapera neeviaU-Topical Screech-OwlMegascopus vatorilU-HoatzinOpishocomus bazinFFTopical Screech-OwlMegascopus vatorilU-Common PotoNycibius griscusFUCommon Nighthawk (?)Chordeiles cri minorR-Common Nighthawk (?)Chordeiles cri minorR-Sond-colored NighthawkChordeiles cri minorR-Short-ailed NighthawkChordeiles cri minorR-Common Nighthawk (?)Chordeiles cri minorR-Common Nighthawk (?)Chordeiles cri minorR-Common Nighthawk (?)Chordeiles cri minorR-Short-ailed Nighthawk	"Painted" Parakeet	Pyrrhura cfr. picta	U	U	
Cobalt winged ParakeetBrotoger's cyanopteraCCTui ParaketBrotoger's sexicithomaeUCanany-winged ParakeetBrotoger's versicoluusCBlack-capped ParrotPiontes melanocephalusUOrange-checked ParrotPiontes melanocephalusUShort-tailed ParrotCange-direcked ParrotConsigned Second ParaketBlue-headed ParrotPionus menstrusCOrange-winged ParrotAmazona amazonicaFBlue-headed ParrotAmazona farinosaFSquirrel CuckooPiaya cayanaUUttle CuckooPiaya cayanaUStriped CuckooPiaya cayanaUCrotophaga aniUCStriped CuckooPiaya cayanaUTropical Screech-OwlMegascopus cholibaFFStriped CuckooPiayascopis watoriiUTropical Screech-OwlMegascopus cholibaFSpectacled OwlPulsatrix perspicillataFFerruginous Pigmy-OwlClaucidum brasilianumFCommon Nighthawk (f)Chordelies truperisFCommon Nighthawk (f)Chordelies truperisFCommon ParaqueNyccidromus ablicoliisCCShort-tailed SinghthawkChordelies truperisFControl Strueted HermitPhaetomis highlighibaucreirUCommon ParaqueNyccidromus ablicoliisCCShort-tailed SinghthawkChordelies truperisFFCommon ParaqueNyccidromus ablicoliisC<	Dusky-billed Parrotlet	Forpus sclateri		U	
Tui Parakeet Brotogeris sanctithomae U Canary-winged Parakeet Brotogeris versicolurus C Black-capped Parot Pionosites melanocephalus U Orange-checked Parot Pionosites melanocephalus R F Short-tailed Parot Graydidascalus brachyurus R F Blue-headed Parot Pionus menstruus C	Cobalt-winged Parakeet	Brotogeris cyanoptera	С	С	
Canary-winged Parakeet Brotogeris versicolurus C Black-capped Parrot Piontes melanocephalus U - Short-tailed Parrot Pionos melanocephalus R F Short-tailed Parrot Caraydidascalus brachyurus R F Blue-headed Farrot Pionus menstruus C - Orange-vineged Parrot Amazona farinosa F F Mealy Parrot Amazona farinosa F F Squirrel Cuckoo Piaya ayana U - Striped Cuckoo Piaya ayana U C *** Striped Cuckoo Taya arinuta U C *** Striped Cuckoo Taya arinuta U C ** Inopical Screech-Owl Megascopus vationi U * * Torpical Screech-Owl Megascopus vationi U * * Common Potoo Nyctibus griesus F U * Common Potoo Nyctibus griesus F S * Common Potoo Nyctibus griesus F F * *	Tui Parakeet	Brotogeris sanctithomae		U	
Black-capped Parrot Piontess melanocephalus U Orange-checked Parrot Pionopsitta barrabandi R Blue-headed Parrot Grayddiscalus brachyurus R Blue-headed Parrot Pionus menstruus C Orange-winged Parrot Amazona farinosa F F Squirrel Cuckoo Piaya cayana U U Little Cuckoo Piaya cayana U C Smooth-billed Ani Crotophaga ania U C Greater Ani Crotophaga major F F Striped Cuckoo Tapera naevia U U Tropical Screech-Owl Megascopus choliba F F Fernaginous Pigmy-Owl Glaucidium brasilianum F F Common Poto Nyctiblos griseus F U Sont-tailed Nighthawk Lurocalls semitorquatus C F Common Poto Nyctiblos griseus F F Common Nghthawk (?) Chordelies rupestris F F Common Nghthawk (?) Chordelies rupestris F F Common Nghthawk (?) Chordelies rupestris F F Common Nghthawk (?) Chactura brachyuras F F Common Nghthawk (?) <t< td=""><td>Canary-winged Parakeet</td><td>Brotogeris versicolurus</td><td></td><td>С</td><td></td></t<>	Canary-winged Parakeet	Brotogeris versicolurus		С	
Orange-cheeked Parrot Pionopsita barrabandi R F Short-lailed Parrot Graydidascalus brachyurus R F Orange-winged Parrot Amazona farinosa F F Mealy Parrot Amazona farinosa F F Squirrel Cuckoo Piaya cayana U U Little Cuckoo Piaya minuta U C Smoth-billed Ani Crotophaga ani U C Creater Ani Crotophaga ani U U Striped Cuckoo Tapera naevia U U Hoatzin Opishlocomus hoazin U V Topical Screech-Owl Megascopus cholba F F Tawny-bellied Screech-Owl Megascopus cholba F C Ferrugious Piny-Owl Glaucidium brasiliarum F U Common Nigmy-Owl Claucidium brasiliarum F U Short-ailed Nighthawk (Chordeiles crimoar R C Common Nanou Nyctibrus gliseus F F F Sand-colored Nighthawk (Chordeiles trapestris F F C Common Nanou Nyctibrus gliseus F F F Common Paraque Nyctidromus albicollis	Black-capped Parrot	Pionites melanocephalus	U		
Short-tailed ParrotCraydidascalus brachyurusRFBlue-headed ParrotPionus menstruusCOrange-winged ParrotAmazona amoricaFFMealy ParrotAmazona farinosaFFSquirrel CuckooPiaya cayanaULittle CuckooPiaya minutaUSmooth-billed AniCrotophaga aniUCGreater AniGrotophaga aniUCStriped CuckooTapera naeviaUTropical Screech-OwlMegascopus cholibaFTawny-bellied Screech-OwlMegascopus cholibaFSpectacled OwlPulsatrix perpicillataFFerruginous Pigmy-OwlGlaucidium brasilianumFCommon NighthawkUnocalis semitorquatusCCommon Nighthawk (P)Chordeiles rupetrisFSnd-colored NighthawkChordeiles rupetrisFSond-tailed BarbihroatThrenetes leucurusRShort-tailed SwiftChaetura brachyuraFShort-tailed HermitPhaetornis hispidusFVolte-bearded HermitPhaetornis hispidusGVolte-bearded HermitPhaetornis hispidusGVolte-chied AngohinForderage millowaFShort-tailed Stailth HermitPhaetornis hispidusFVolte-bearded HermitPhaetornis hispidusFVolte-bearded HermitPhaetornis hispidusGVolte-bearded HermitPhaetornis hispidusUShort-tailed Stailth HermitPhaetornis hispidusF <td>Orange-cheeked Parrot</td> <td>Pionopsitta barrabandi</td> <td>R</td> <td></td> <td></td>	Orange-cheeked Parrot	Pionopsitta barrabandi	R		
Blue-headed Parrot Pionus menstruus C Image:	Short-tailed Parrot	Graydidascalus brachyurus	R	F	
Orange-winged ParrotAmazona amazonicaFFMealy ParrotAmazona farinosaFFSquirrel CuckooPiaya cayanaULittle CuckooPiaya cayanaUSmooth-billed AniCrotophaga aniUCGreater AniCrotophaga aniorFFStriped CuckooTapera navaUUHoatzinOpisthocomus hoazinUUTropical Screech-OwlMegascopus vationiiUrSpectacled OwlPulsatrix perspicillataFTSepetacled OwlPulsatrix perspicillataFUSomon NighthawkLuccalis semitorquatusCFCommon PotooNyctibius giresusFUShort-tailed NighthawkChordelles rininorRTCommon Nighthawk (?)Chordelles rupertrisF*Common ParaqueNyctidromus ablcollisCC*Short-tailed SwiftChaetura brachyuraFF*Control ParaqueNyctidromus ablcollisCC*White-bearded HermitPhaetornis hispilusFU*White-bearded JacobinFhaetornis nisgrandiaU**White-bearded JacobinFhoris supercillosusFU*White-barded JacobinFhaetornis nispilusCC*Short-tailed SamithPhaetornis hipilipilibourcieriU**White-barded JacobinFhaetornis nigricollisU**<	Blue-headed Parrot	Pionus menstruus	С		
Mealy ParotAmazona farinosaFFSquirrel CuckooPiaya cayanaUULittle CuckooPiaya minutaUCSmoth-billed AniCrotophaga aniUC**Greater AniCrotophaga aniorFFFStriped CuckooTapera naeviaUU**HoatzinOpisthocomus hoazinUU**Tropical Screech-OwlMegascopus cholibaFFTawny-bellied Screech-OwlMegascopus watsoniiU**Spectacled OwlPulsatrix perspicillataF**Ferruginous Pigmy-OwlGlaucidium brasilianumF**Common PotooNyctibus griseusFUShort-tailed Nighthawk (1)Chordelies criminorR**Common Nighthawk (2)Chaetura brachyuraF**Sand-colored NighthawkChordelies rupestrisF**Common ParaqueNyctidromus albicoliisCC**Short-tailed SwiftTachonris squamataCC**Pale-tailed Bam-SwiftThrenetes leucrusR****Needle-billed/Straight-billed HermitPhaetomis hipidosFU**Needle-billed/Straight-billed HermitPhaetomis sperifilosusU****Needle-billed/Straight-billed HermitPhaetomis ruberRU**Needle-billed/Straight-billed HermitPhaetomis sperifilosusU****Needle-billed/Straight-billed Her	Orange-winged Parrot	Amazona amazonica	F	F	
Squirrel CuckooPiaya cayanaULittle CuckooPiaya minutaUSmooth-billed AniCrotophaga aniUCSmooth-billed AniCrotophaga majorFFStriped CuckooTapera naeviaUHoatzinOpisthocomus hoazinUInopical Screech-OwlMegascopus cholibaFStriped CuckooPulsatrix perspicillataFSpectacled OwlPulsatrix perspicillataFSepetacled OwlNyctibius griseusFCommon PotooNyctibius griseusCSont-tailed NighthawkLurocalis semitorquatusCCommon Nighthawk (I)Chordeiles cri minorRCommon NaraqueNyctidroms ablicoliisCCShort-tailed SwiftChaetura brachyuraFFSont-tailed BarbthroatThrenetes leucrursRPale-tailed BarbthroatThrenetes leucrursRWhite-bearded HermitPhaetornis superilisousUNeedlei-billed/Straight-billed HermitPhaetornis superilisousUUShort-tailed MangoAnthracothrax migricoliisUWhite-bearded HermitPhaetornis superilisousUUng-tailed HermitPhaetornis superilisousUUShort-tailed ShiftChordeira cry ansEShort-tailed BarbthroatThrenetes leucrursRUbite-barded HermitPhaetornis superciliosusU <td>Mealy Parrot</td> <td>Amazona farinosa</td> <td>F</td> <td>F</td> <td></td>	Mealy Parrot	Amazona farinosa	F	F	
Little CuckooPiaya minutaUSmooth-billed AniCrotophaga aniUC*Greater AniCrotophaga majorFFFStriped CuckooTapera næviaUUHoatzinOpisthocomus hoazinUU*Tropical Screech-OwlMegascopus cholbaFFZawny-bellied Screech-OwlMegascopus watsoniiU*Percuginous Pigmy-OwlClaucidium brasilianumFCCommon PotooNyctibius griseusFUShort-tailed NighthawkLurocal's semitorquatusCFCommon Nighthawk (I)Chordeiles cfr minorR*Common ParaqueNyctibius griseusFUShort-tailed NiftTachornis squamataCCCommon ParaqueNyctidromus albicollisC*Short-tailed BarbthroatThrenetes lecurusR*White-bearded HermitPhaetornis squamataCCU****White-bearded HermitPhaetornis philippilibaurcieriU*White-bearded HermitPhaetornis puperilosusU*White-bearded JacobinFlorisuga mellivoraU*Sand-colored NighthawkPhaetornis puperilosusU*U*****Common ParaqueNyctidornus albicollisCC*Short-tailed ShiftTachornis squamataCC*Comton Barbihorit	Squirrel Cuckoo	Piaya cayana	U		
Smooth-billed AniCrotophaga aniUC*Greater AniCrotophaga majorFFFStriped CuckooTapera næviaUUHoatzinOpisthocomus hoazinUUTropical Screech-OwlMegascopus vatsoniiU*Spectacled OwlPulsatrix perspicillataF*Ferruginous Pigmy-OwlGlaucidium brasilianumF*Common PotooNyctibius griseusFUShort-tailed NighthawkLurocalis semitoryuatusCFCommon Nighthawk (?)Chordeiles cfr minorR*Sond-colored NighthawkChordeiles rupestrisF*Common ParaqueNyctidromus albicollisCC*Short-tailed SwiftChardeiles rupestrisF**Common ParaqueNyctidromus albicollisCC*Rufous-breasted HermitClaucis hispidusFU*Pale-tailed BarbthroatThrenetes leucurusR**White-bearded HermitPhaetornis hispidusFU*Reddish HermitPhaetornis superciliosusU**Ung-tailed HermitPhaetornis superciliosusU**Uhite-chined SaphireHylocharis cyanusU**Stade-colored ImeraldAmazulia limbriataUF*Stade-colored ImeraldAmazulia limbriataUF*Stade-colored ImeraldAmazulia lacteaF	Little Cuckoo	Piava minuta		U	
Greater AniCrotophaga majorFFStriped CuckooTapera naeviaUHoatzinOpisthocomus hoazinUTropical Screech-OwlMegascopus cholibaFTawny-bellied Screech-OwlMegascopus watsoniiU*Spectacled OwlPulsatrix perspicillataFCommon PotooNyctibius giseusFUShort-tailed NighthawkLurocalis semitorquatusCFCommon Nighthawk (?)Chordeiles cfr minorR*Sand-colored NighthawkChordeiles rupestrisF*Common ParaqueNyctibius giseusFF*Sohrt-tailed SwiftChactura brachyuraFF*Fork-tailed Palm-SwiftTachornis squamataCC*Vhite-bearded HermitPhaetornis hispidusFU*Needle-billed/Straight-billed HermitPhaetornis hispidusFU*Needle-billed/Straight-billed HermitPhaetornis philippii/bourcieriU*White-bearded HermitPhaetornis philippii/bourcieriUU*Reddish HermitPhaetornis philippii/bourcieriU**Saphare-spangled EmeraldArazilia fimbriataUF*Neticher SpanieHylocharis cyanusGGC*Sont-atiled SwiftPhaetornis philippii/bourcieriU**Needle-billed/Straight-billed HermitPhaetornis philippii/bourcieriU*Needle-billed/St	Smooth-billed Ani	Crotophaga ani	U	C	*
Striped Cackoo Tapera naevia U Hoatzin Opisthocomus hoazin U Tropical Screech-Owl Megascopus choliba F Spectacled Owl Pulsatix perspicillata F Ferruginous Pigmy-Owl Glaucidium brasilianum F Common Potoo Nyctibius griseus F Short-tailed Nighthawk Lurocalis semitorquatus C Common Nighthawk (?) Chordeiles cfr minor R Common Nighthawk (?) Chordeiles cfr minor R Sand-colored Nighthawk Chordeiles rupestris F F Sond-colored Nighthawk Chordeiles cfr minor R Sand-colored Nighthawk Chordeiles cfr minor R Sand-colored Nighthawk Chordeiles rupestris F F Fort-tailed Palm-Swift Tachornis squamata C C C Short-tailed Palm-Swift Ghaetura brachyura F Pork-tailed Palm-Swift Tachornis squamata C White-bearded Hermit Phaetornis hispidus F Vulte-chailed Hermit Phaetornis hispidus F U * Needle-billed/Straight-billed Hermit Phaetornis suber Needle-billed/Straight-billed Adm F Sapphire-spangled Emerald Amazilia fimbriata U White-chinned Sapphire Hylocharis cyanus F Vulta-chinned Sapphire Hylocharis cyanus F Neider-Alter Admago Anthracothorax nigricollis U White-chinned Sapphire Hylocharis cyanus F Neider-Alter Trogon Trogon melanurus F Sapphire-spangled Emerald Amazilia fimbriata U White-tailed Trogon Trogon windis C Neider-Alter Admago C Negacenyle torquata CC Neidecous Trogon Trogon windis C Neider-Straightser Chlorocceryle amazona C Neider Admagt C Neider Negacinyle Chlorocceryle amazona C Neider Negacenyle torquata C Neider Negacenyle torquata C Neider Negacenyle torquata C Neider Negatives Negatives C Neider Negatives Ne	Greater Ani	Crotophaga major	F	F	
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Sinch Called WithCalculat Didentify thatFFFork-tailed Palm-SwiftTachornis siguamataCCRufous-breasted HermitGlaucis hissutusR*White-bearded HermitPhaetornis hispidusFU*Needle-billed/Straight-billed HermitPhaetornis nibpili/bourcieriU*Needle-billed/Straight-billed HermitPhaetornis nuberR*Long-tailed HermitPhaetornis superciliosusU*White-necked JacobinFlorisuga mellivoraU*Black-throated MangoAnthracothorax nigricollisU*White-chinned SapphireHylocharis cyanusU*Glittering-throated EmeraldAmazilia fimbriataUF*Sapphire-spangled EmeraldAmazilia lacteaFF*Violaceous TrogonTrogon violaceusR**White-tailed TrogonTrogon viridisCC*Ringed KingfisherMegaceryle torquataCC*Amazon KingfisherChloroceryle aneaaFF*Amazon KingfisherChloroceryle amazonaCC*Choroceryle indaFF**Amazon KingfisherChloroceryle indaFF*Amazon KingfisherChloroceryle indaFF*Amazon KingfisherChloroceryle indaFF*Amazon KingfisherChloroceryle indaFF*Amazon Kingfis	Short-tailed Swift	Chaetura brachvura	F	F	
Forkatical rating with Rufous-breasted HermitGlaucis hirsutusF*Rufous-breasted HermitGlaucis hirsutusR*Pale-tailed BarbthroatThrenetes leucurusR*White-bearded HermitPhaetornis hispidusFU*Needle-billed/Straight-billed HermitPhaetornis philippii/bourcieriU*Reddish HermitPhaetornis ruberR**Long-tailed HermitPhaetornis superciliosusU**White-necked JacobinFlorisuga mellivoraU**Black-throated MangoAnthracothorax nigricollisU**White-chinned SapphireHylocharis cyanusU**Sapphire-spangled EmeraldAmazilia fimbriataUF*Sapphire-spangled EmeraldAmazilia lacteaFF*Violaceous TrogonTrogon viridisCF*White-tailed TrogonTrogon viridisCF*Ringed KingfisherMegaceryle torquataCC*Amazon KingfisherChloroceryle aeneaFF*Amazon KingfisherChloroceryle indaFF*Purfue AktaretBarkeherem and anziniP**Purfue AktaretBarkeherem anzeniFF*Purfue AktaretBarkeherem anzeniFF*NotaretBarkeherem anzeniFF**NeaderChloroceryle indaF <td>Fork-tailed Palm-Swift</td> <td>Tachornis squamata</td> <td>C C</td> <td>ſ</td> <td></td>	Fork-tailed Palm-Swift	Tachornis squamata	C C	ſ	
National StratesRPale-tailed BarbhroatThrenetes leucurusRWhite-bearded HermitPhaetornis hispidusFUNeedle-billed/Straight-billed HermitPhaetornis philippii/bourcieriUReddish HermitPhaetornis ruberRLong-tailed HermitPhaetornis superciliosusUWhite-necked JacobinFlorisuga mellivoraUBlack-throated MangoAnthracothorax nigricollisUWhite-chinned SapphireHylocharis cyanusUGlittering-throated EmeraldAmazilia fimbriataUSapphire-spangled EmeraldAmazilia limbriataUViolaceous TrogonTrogon melanurusFFViolaceous TrogonTrogon viridisCFRinged KingfisherMegaceryle torquataCCAmazon KingfisherChloroceryle amazonaCCGreen-and-rufous KingfisherChloroceryle indaF*Purfour MetmetParischara martinParischara martin	Rufous-breasted Hermit	Claucis hirsutus	C	E	*
Nate-lated bardingatPhaetornis hispidusFUWhite-bearded HermitPhaetornis hispidusFU*Needle-billed/Straight-billed HermitPhaetornis philippii/bourcieriUCCReddish HermitPhaetornis ruberRCCCLong-tailed HermitPhaetornis superciliosusUCCCWhite-necked JacobinFlorisuga mellivoraUUCCCBlack-throated MangoAnthracothorax nigricollisUUCC <td< td=""><td>Pale-tailed Barbthroat</td><td></td><td>P</td><td>1</td><td></td></td<>	Pale-tailed Barbthroat		P	1	
White-beated HermitPhaetomis inspidusFONeedle-billed/Straight-billed HermitPhaetomis philippii/bourcieriUReddish HermitPhaetomis ruberRLong-tailed HermitPhaetomis superciliosusUWhite-necked JacobinFlorisuga mellivoraUBlack-throated MangoAnthracothorax nigricollisUWhite-chinned SapphireHylocharis cyanusUGlittering-throated EmeraldAmazilia fimbriataUSapphire-spangled EmeraldAmazilia lacteaFBlack-tailed TrogonTrogon melanurusFViolaceous TrogonTrogon violaceusRWhite-tailed TrogonTrogon violaceusRWhite-tailed TrogonCCAmerican Pigmy KingfisherChloroceryle aeneaFAmazon KingfisherChloroceryle amazonaCCGreen-and-rufous KingfisherChloroceryle indaF*	White boarded Hermit	Phaotornis hispidus	F	11	*
Recult-strategisterionical right bolic of the initial initial philippin bolic of the initial initinitial initial initi	Needle-billed/Straight-billed Hermit	Phaetornis nispidus		0	
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Black-Initiated MargoAntimacoulorax IngricolitsImage of the second	Black throated Mango	Anthracothoray pigricollis		U	
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Sapprine-spanged EnteraidAnnazina facteaFFBlack-tailed TrogonTrogon melanurusFFViolaceous TrogonTrogon violaceusR	Gittering-throated Emerald	Amazilia lastas	0	F	
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Oreen-and-ruious Kingrisner Chioroceryle Inda F F Purfoue Motmot Parunt theorem poertii P	Amazon Kingfisher	Chioroceryle amazona	с г	r c	*
S 11/1000 000000 17	Pufous Motmot	Baryohthongus martii	Г D	F	

Common Name	Scientific Name	Yarina	XX Enero	Documented
White-eared lacamar	Galbacyrhynchus leucotis	F	U	
Blue-cheeked Jacamar	Galbula cvanicollis	R	U	*
Bluish-fronted Jacamar	Galbula cyanescens	R	F	*
Chestnut-capped Puffbird	Bucco macrodactylus	R		*
Rufous-necked Puffbird	Malacoptila rufa	R		
Black-fronted Nunbird	Monasa nigrifrons	C	C	
Swallow Wing	Chelidoptera tenebrosa	C	U	
Scarlet-crowned Barbet	Capito aureovirens	F	F	
Gilded Barbet	Capito auratus	U	U	
Lemon-throated Barbet	Eubucco richardsoni	U	U	
lvorv-billed Aracari	Pteroglossus azara	U		*
Chestnut-eared Aracari	Pteroglossus castanotis	F		*
Lettered Aracari	Pteroglossus inscriptus	U		
Many-banded Aracari	Pteroglossus nluricinctus		U	
White-throated Toucan	Ramphastos tucanus	C	C	*
Channel-hilled Toucan	Ramphastos vitellinus		C	
Plain-breasted Piculet	Picumpus castelnau	0	F	
Vallow tufted Woodpocker	Molaporpos cruontatus	F	F	
Spot broasted Woodpecker	Colontos punctigula	1	E	
Chectput Woodpacker		C	1	
	Celeus elegans	I D	U	
Create breasted Weadpacker	Celeus navus	K	0	
Scale-breasted woodpecker	Celeus grammicus	D		
	Celeus torquatus	<u>к</u>		
	Dryocopus lineatus	<u>ڊ</u>	U	*
Crimson-crested Woodpecker		U	U	*
Plain-brown Woodcreeper	Dendrocincia fuliginosa	F	F	*
Spot-throated Woodcreeper	Deconychura stictolaema	F		*
Olivaceous Woodcreeper	Sittasomus griseicapillus	0		
Wedge-billed Woodcreeper	Glyphorynchus spirurus	R		*
Long-billed Woodcreeper	Nasica longirostris	F	F	
Cinnamon-throated Woodcreeper	Dendrexetastes rufigula	U		
Strong-billed Woodcreeper	Xiphocolaptes promeropirhynchus		U	
Amazonian Barred-Woodcreeper	Dendrocolaptes certhia		U	
Buff-throated Woodcreeper	Xiphorhynchus guttatus	С	U	*
Striped Woodcreeper	Xiphorhynchus obsoletus		U	*
Ocellated Woodcreeper (?)	Xiphorhynchus cfr. ocellatus	U		
Straight-billed Woodcreeper	Xiphorhynchus picus	F		*
Elegant Woodcreeper	Xiphorhynchus elegans	F		*
Pale-legged Hornero	Furnarius leucopus		U	*
Lesser Hornero	Furnarius minor		F	*
Dark-breasted Spinetail	Synallaxis albigularis		U	
Red-and-white Spinetail	Certhiaxis mustelinus		F	*
Orange-fronted Plushcrown	Metopothrix aurantiaca	F	F	
Cinnamon-rumped Foliage-Gleaner	Philydor pyrrhodes	U	U	*
Plain Xenops	Xenops minutus	U	U	*
Great Antshrike	Taraba major		U	
Barred Antshrike	Thamnophilus doliatus	R	С	*
Plain-winged Antshrike	Thamnophilus schistaceus	С	U	*
Spot-winged Antshrike	Pygiptila stellaris	U		*
Saturnine Antshrike	Thamnomanes saturninus	С	F	*
White-flanked Antwren	Myrmotherula axillaris	С	F	*

Common Name	Scientific Name	Yarina	XX Enero	Documented
Pygmy Antwren	Myrmotherula brachyura	U	U	
Plain-throated Antwren	Myrmotherula hauxwelli	F	U	*
Stripe-chested Antwren	Myrmotherula longicauda	U		
Amazonian Streaked-Antwren	Myrmotherula multostriata	F		
Leaden Antwren	Myrmotherula assimilis		U	
Gray Antbird	Cercomacra cinerascens	F	U	
Blackish Antbird	Cercomacra nigrescens	U		
Warbling Antbird	Hypocnemis cantator (1)	F		*
Band-tailed Antbird	Hypocnemoides maculicauda	F	U	
Silvered Antbird	Sclateria naevia	U		
Black-throated Antbird	Myrmeciza atrothorax	U		
White-shouldered Antbird	Myrmeciza melanoceps	С	С	*
Plumbeous Antbird	Myrmeciza hyperythra	С	С	*
Spot-backed Antbird	Hylophylax naevius	F		*
Black-spotted Bare-eye	Phlegopsis nigromaculata	F		*
Black-faced Antthrush	Formicarius analis	С	F	*
Rufous-capped Antthrush	Formicarius colma	F	U	*
Slender-footed Tyrannulet	Zimmerius gracilipes	U		
Yellow-crowned Tyrannulet	Tvrannulus elatus	F	F	
Iohannis' Tody-Tyrant	Hemitriccus iohannis		U	
Olivaceous Flatbill	Rhvnchocvclus olivaceus	U	U	*
Tolmomvias sp.	Tolmomyias sp.		U	
Ruddy-tailed Flycatcher	Terenotriccus erythrurus	F		*
Black-tailed Flycatcher	, Mviobius atricaudus	U		*
Eastern Wood-Pewee	Contopus virens	R		
White-headed Marsh-Tyrant	Arundicola leucocephala		F	*
Dull-capped Attila	Attila bolivianus	R	U	
Bright-rumped Attila	Attila spadiceus	R		*
Cinnamon Attila	Attila cinnamomeus		F	
Grayish Mourner	Rhytipterna simplex	R		
Short-crested Flycatcher	Myiarchus ferox	R	U	
Dusky-capped Flycatcher	<i>Myiarchus tuberculifer</i>	F		
Lesser Kiskadee	Pitangus lictor	С	С	
Great Kiskadee	Pitangus sulphuratus	С	С	*
Boat-billed Flycatcher	Megarynchus pitangua	R		
Gray-capped Flycatcher	Myiozetetes granadensis	R		
Social Flyctacher	Myiozetetes similis	С	С	
Tropical Kingbird	Tyrannus melancholicus	С	С	
Fork-tailed Flycatcher	Tyrannus savana	F	С	
Eastern Kingbird	Tyrannus tyrannus		F	
Chestnut-crowned Becard	Pachyramphus castaneus	R	U	
Black-capped Becard	Pachyramphus marginatus		U	
White-winged Becard	Pachyramphus polychopterus		U	
Black-tailed Tityra	Tityra cayana	U	U	
Varzea Sciffornis	Schiffornis major		U	
Dwarf Tyrant-Manakin	Tyranneutes stolzmanni	U		
Wire-tailed Manakin	Pipra filicauda	С	U	*
Purple-throated Coti	Porphyrolaema porphyrolaema	R	U	

(1) - Subsequent to the publication of Schulenberg *et al.* (2007), the South American Checklist Committee (Remsen et al., 2007) adopted the six-way split of *H. cantator* proposed by Isler *et al.*, 2007. According to this splitting, the species we recorded is *H. peruviana*, the Peruvian Warbling-Antbird"

Common Name	Scientific Name	Yarina	XX Enero	Documented
Bare-necked Fruitcrow	Gymnoderus foetidus	F	F	
Purple-throated Fruitcrow	Querula purpurata	R		
White-winged Swallow	Tachycineta albiventer	F	С	
Grav-breasted Martin	Progne chalvbea		U	
White-banded Swallow	Atticora fasciata	U		
S. Rough-winged Swallow	Stelgidoptervx ruficollis	С	С	
Barn Swallow	Hirundo rustica	R	F	
Black-capped Donacobius	Donacobius atricapilla	U	С	
Thrush-like Wren	Campylorhynchus turdinus	F	F	
Coraya Wren	Thryotorus coraya	F	F	*
Buff-breasted Wren	Thryotorus leucotis	F	F	*
House Wren	Troglodytes aedon		U	
Musician Wren	Cyphorhinus arada	U		*
Swainson's Thrush	Catharus ustulatus	U		
Hauxwell's Thrush	Turdus hauxwelli	U		*
Tropical Gnatcatcher	Polioptila plumbea	U		
Yellow-browed Sparrow	Ammodramus aurifrons		С	*
Caquetà Seedeather	Sporophila murallae		F	*
Chestnut-bellied Seedeater	Sporophila castaneiventris	U	F	*
Lesson's Seedeater	Sporophila bouvronides	U	U	
Black-and-white Seedeater	Sporophila luctuosa	R		
Lesser Seed-Finch	Oryzoborus angolensis	U	U	
Blue-black Grosbeak	Cyanocompsa cyanoides	U		*
Red-capped Cardinal	Paroaria gularis	С	С	
Grayish Saltator	Saltator coerulescens		F	
Guira Tanager	Hemithraupis guira	R		
Hooded Tanager	Nemosia pileata	F	С	
Gray-headed Tanager	Eucometis penicillata	U	U	*
White-shouldered Tanager	Tachyphonus luctuosus	R		
Yellow-crested Tanager	Tachyphonus rufiventer	R		
Silver-beaked Tanager	Ramphocelus carbo	С	С	*
Masked Crimson Tanager	Ramphocelus nigrogularis	С	С	
Blue-gray Tanager	Thraupis episcopus	F	С	*
Palm Tanager	Thraupis palmarum	U	U	
Orange-bellied Euphonia	Euphonia xanthogaster	R		
Paradise Tanager	Tangara chilensis	F		
Turquoise Tanager	Tangara mexicana	U	U	
Green-and-gold Tanager	Tangara schrankii	U		
Yellow-bellied Dacnis	Dacnis flaviventer	U	U	
Black-faced Dacnis	Dacnis lineata	R		
Green Honeycreeper	Chlorophanes spiza	R		
Red-eyed Vireo	Vireo olivaceus		F	
Troupial	Icterus icterus	U		
Russet-backed Oropendola	Psarocolius angustifrons	С	С	
Yellow-rumped Cacique	Cacicus cela	С	С	
Oriole Blackbird	Gymnomystax mexicanus		U	
Yellow-hooded Blackbird	Chrysomus icterocephalus		F	
Velvet-fronted Grackle	Lampropsar tanagrinus	F	F	
Shiny Cowbird	Molothrus bonariensis	U		
Violaceous Jay	Cyanocorax violaceus	С	С	