# Noteworthy bird records from the northern Cerros del Sira, Peru

S. Jacob Socolar, Óscar González and German Forero-Medina

Received 21 September 2011; final revision accepted 3 August 2012 Cotinga 35 (2013): OL 24–36 published online 10 March 2013

Los cerros del Sira, una cadena montañosa aislada en el centro del Perú, abrigan una avifauna distintiva pero poco estudiada. En julio y agosto del 2010, una expedición ornitológica visitó las montañas y registró varias aves interesantes. Entre ellas, *Scytalopus parvirostris, Contopus nigrescens* y *Myiotheretes fumigatus* no habían sido reportadas antes en esta localidad. Ocho especies más han sido reportadas previamente en el extremo sur de las montañas, pero nunca en la parte norte, la cual queda separada de la parte sur por un filo que baja a 1.000 msnm. Algunas otras especies, incluyendo *Pauxi koepckeae, Cichlopsis leucogenys* y *Tangara phillipsi*, son de interés especial por su rareza, sus distribuciones limitadas, o las elevaciones extremas en que fueron registradas.

A number of rare, poorly known and rangerestricted bird species occur in the isolated foothills near the east slope of the Peruvian Andes, a region designated as an Endemic Bird Area by BirdLife International<sup>9</sup>. The Cerros del Sira of central Peru, separated from the main Andean chain by the río Pachitea and a broad swath of lowlands, harbour several of these birds, including at least three taxa endemic to the Sira<sup>5,8,13</sup> and numerous species largely confined to outlying Andean satellites. The potential for novel ornithological discoveries on the Cerros del Sira was highlighted by the recent finding of a new *Capito* barbet in the south of the range<sup>8</sup>.

The Sira are also distinctive for the unique assemblage of Andean species that occupies their upper slopes. The range's isolation produces a pronounced 'island effect' near its peaks, with a substantial species deficit compared to similar elevations in the main Andean chain. This situation motivated the earliest ornithological expeditions to the Sira, which provided a test of the mechanisms governing the altitudinal distributions of Andean birds<sup>11,12</sup>. These early surveys resulted in the discovery of the endemic taxa *Pauxi koepckeae* and *Tangara phillipsi* as well as the first published bird list for the mountain range<sup>12</sup>.

Since Terborgh and Weske's initial expeditions in 1969–72, few ornithologists have visited the Sira and its unique bird community remains poorly known. Expeditions in 2001 and 2008 furnished valuable data concerning the bird assemblages of the Sira and the status of range-restricted taxa, but the 2001 expedition did not reach elevations above 1,600 m<sup>7</sup>, while that in 2008 visited the southernmost extension of the range, separated from the northern massif by a long ridge with saddles as low as 1,000 m<sup>6</sup>. Additional surveys during the last two decades were confined to lowland elevations<sup>4</sup> or focused on studying a single target species<sup>3</sup>.

In 2010, we revisited Terborgh & Weske's 1969 transect to examine the avifauna of the montane portions of the northern Cerros del Sira, up to 2,220 m. Elsewhere, we have reported on the elevational range shifts of bird taxa relative to Terborgh & Weske's baseline<sup>2</sup>. Here, we present details of noteworthy bird records resulting from our expedition.

#### Methods

Birds were surveyed along Terborgh and Weske's original altitudinal transect on the western flank of the Cerros del Sira near the town of Yuyapichis. This transect was described in detail by Terborgh & Weske<sup>12</sup> and Forero-Medina *et al.*<sup>2</sup>. We mist-netted birds in the vicinity of five camps, located at c.690 m, 1,310 m, 1,570 m, 1,970 m and 2,220 m, respectively (Table 1). We briefly mist-netted at an additional camp near 1,750 m. All elevations were determined by GPS.

To supplement mist-netting effort, we recorded birds opportunistically by sight or sound along the entire transect. The transect was confined to a narrow ridgeline from 690 m to 2,220 m, the highest

Table I. Elevations and locations of mist-netting localities, and survey effort.

Elevation	Coordinates (WGS 84)	Days
690 m	09°28'48"S 74°46'59"W	5
1,310 m	09°25'55"S 74°44'56"W	5
I,570 m	09°25'30"S 74°44'02"W	5
1,750 m	09°25'12"S 74°43'48"W	2
l,970 m	09°25'23"S 74°43'12"W	4.5
2,220 m	09°25'26''S 74°42'50''W	4.5

Table 2. Montane\* species not previously recorded in the northern Cerros del Sira.

\* This list does not include species that presumably occur in the lowlands surrounding the Sira, even if we obtained the first record from the Sira proper.

Evidence:

- P Mist-netted (photo)
- V Sound-recorded
- S Sight or aural record without documentation

Scientific name	English name	Elevations and dates	Evidence
Patagioenas fasciata	Band-tailed Pigeon	2,150 m, 11 August	V
Ciccaba albitarsis	Rufous-banded Owl	1,970 m, 9 August	V
Pulsatrix melanota	Band-bellied Owl	750 m, multiple dates; sound-recorded 21 July	V
Colibri coruscans	Sparkling Violetear	2,220 m, 17 August	Р
Phlogophilus harterti	Peruvian Piedtail	1,000 m, date unknown; 1,310 m, 24 July	Р
Momotus aequatorialis	Andean Motmot	1,570 m, I August	Р
Scytalopus parvirostris	Trilling Tapaculo	2,150 m, 15 August	V
Elaenia albiceps	White-crested Elaenia	690 m, 22 July	Р
Hirundinea ferruginea	Cliff Flycatcher	400 m, 21 July	S
Contopus nigrescens	Blackish Pewee	390 m, 21 July	S
Myiotheretes fumigatus	Smoky Bush Tyrant	1,970–2,050 m, 10–11 August	V
Myiodynastes chrysocephalus	Golden-crowned Flycatcher	1,950 m, 10 August	V
Piranga flava	Hepatic Tanager	2,220 m, 16 August	Р
Cacicus uropygialis	Scarlet-rumped Cacique	1,970 m, 11 August	S

point surveyed. Where possible, we descended from the ridge along collateral ridges or the steep slopes towards streams. When possible, noteworthy birds were sound-recorded using a Sennheiser ME-66 shotgun microphone and Tascam DR-07 digital recorder. Recordings are deposited in the online xeno-canto sound library (www.xeno-canto.org).

### Avifauna

We recorded 214 bird species at  $\geq 690$  m and an additional 13 bird species exclusively below 690 m, but we invested little effort in the latter region. We recorded a total of 31 species not detected by Terborgh & Weske<sup>12</sup> or Mee et al.<sup>7</sup>, 21 of these at elevations at  $\geq 690$  m. A single descent from our transect to the río Negro, a stream emptying into the río Yuyapichis, produced most of the novel records below 690 m. Among those species previously known from above 800 m on the northern Cerros del Sira, we documented elevational range extensions of at least 100 vertical metres (either upwards, downwards, or both) for 64 species. Appendix 1 presents max. / min. elevations for all species we recorded and a fully updated elevational checklist compiled from all expeditions to the northern Cerros del Sira.

#### **Species accounts**

#### Sira Curassow Pauxi koepckeae

This taxon, endemic to the Cerros del Sira, was recently split from Horned Curassow *P. unicornis*  as a valid species<sup>3</sup>. The expedition encountered up to four separate individuals on multiple occasions, with records as low as 1,350 m and as high as 1,686 m. Sound-recordings were obtained and are deposited at xeno-canto. Two individuals had brown plumage similar to the 'barred morph' reported for other *Pauxi* curassows. Our record at 1,686 m is the highest elevation ever reported for this taxon, and extends the known range well into the cloud-forest zone. Habitat at this elevation was characterised by canopy heights of <10 m, a preponderance of mosses and a significant but patchy element of *Chusquea* bamboo.

#### Lined Forest Falcon Micrastur gilvicollis

This lowland species was trapped in a mist-net on 1 August at 1,570 m, an extraordinarily high elevation for the species in Peru, and far higher than it had previously been recorded in the Sira. It was carrying a short-tailed opossum *Monodelphis* sp. when captured.

#### Rio Suno Antwren Myrmotherula sunensis yessupi

This species' Peruvian range is oddly restricted. The poorly known endemic subspecies *yessupi* has been recorded only in lowland forests near the base of the Andes at a few locations in central Peru. Terborgh & Weske recorded it from the lowlands at the base of their transect (unpubl. data), but the taxon was unrecorded by Mee *et al.*<sup>7</sup> and Harvey *et al.*<sup>6</sup>. We encountered a male at c.450 m on 18 August as we exited our transect. The bird was associated with a mixed-species flock in *terra firme* forest with a relatively open understorey. We know of no additional records of *yessupi* other than the type series<sup>1</sup>, the records of Terborgh & Weske and a disjunct record from Brazil presumably referable to this subspecies<sup>10</sup>.

#### Scytalopus tapaculos

The taxonomic status of Scytalopus tapaculos on the Sira is not well resolved. Terborgh & Weske<sup>12</sup> reported only White-crowned Tapaculo S. atratus, but their records pre-date the splitting of Rufousvented Tapaculo S. femoralis from S. atratus. Mee *et al.*<sup>7</sup> reported only *S. femoralis*, but at elevations more characteristic of atratus. Harvey et al.<sup>6</sup> reported birds with vocal characters of both S. atratus and S. femoralis from the southern Cerros del Sira. These species replace one another elevationally, with atratus-like birds below 1,600 m and femoralis-like birds above 1,700 m. We sound-recorded Scytalopus songs consistent with S. atratus, S. femoralis and Trilling Tapaculo S. parvirostris. We found S. atratus at the lowest elevations (1,310-1,570 m) on multiple days with a sound-recording from 28 July, S. femoralis at intermediate elevations (1,570-1,750 m) on several days with a sound-recording from 16 August, and S. parvirostris at the highest elevations (2,150 m) with a sound-recording on 15 August. This is the first record of S. parvirostris from the Cerros del Sira.

#### Blackish Pewee Contopus nigrescens

This rare species is known in Peru only from a few isolated sites on outlying ridges, mostly in the north of the country. We observed one at 390 m on 21 July along the río Negro, a tributary of the río Yuyapichis. It was observed flycatching from an arboreal perch beside a clearing associated with the río Negro's narrow floodplain. Although we are certain of our identification, this first record for the Sira should be considered provisional given the lack of documentation.

#### Smoky Bush Tyrant Myiotheretes fumigatus

Not previously recorded from the Cerros del Sira. We detected it twice, at 1,970 m on 10 August and at 2,050 m on 11 August. We obtained soundrecordings on 10 August.

#### Rufous-brown Solitaire Cichlopsis leucogenys

This poorly known species' Peruvian range is restricted to a few isolated ranges. It was encountered in the Sira by Terborgh & Weske (unpubl. data) and Mee *et al.*<sup>7</sup>. We found the species on multiple occasions at two widely separated elevations. At 690 m, records included a mist-netted adult on 16 July and sightings of an apparent family party with two juveniles. Another was netted at 1,570 m on 31 July. These records represent downward and upward elevational range extensions for the species in Peru.

#### Sira Tanager Tangara phillipsi

Endemic to the Sira. Graves & Weske<sup>5</sup> noted the elevational range as 1,300-1,570 m. Mee *et al.*<sup>7</sup> observed the taxon at 1,350-1,450 m, where it was a common member of mixed-species flocks. Harvey *et al.*<sup>6</sup> found the tanager at considerably higher elevations, at 1,600-2,200 m. We recorded the taxon on numerous occasions at elevations of 1,310-2,220 m. The tanager was a common participant in mixed-species flocks at 1,350-1,400 m, becoming increasingly rare up to 1,570 m. Our observations above this elevation consisted of a pair with a mixed-species flock at 1,700 m on 16 August and a single female-plumaged bird mist-netted at 2,220 m (the highest point of our transect) on 14 August.

#### Additional noteworthy species

In addition to the species detailed above, we recorded 11 montane species new for the northern Cerros del Sira but already found by Harvey *et al.*<sup>6</sup> in the southern Cerros del Sira in 2008 (Table 2). We also documented the presence of numerous additional range-restricted or rare species. Among the noteworthy taxa highlighted by Mee *et al.*<sup>7</sup>, we failed to find only Fiery-throated Fruiteater *Pipreola chlorolepidota*. We encountered many species outside their previously reported elevational ranges in the northern Cerros del Sira. An updated elevational checklist for the northern Cerros del Sira is presented as Appendix 1. For an elevational checklist of the birds of the southern Cerros del Sira, consult Harvey *et al.*<sup>6</sup>.

#### **Acknowledgements**

We thank the Conserving Biodiversity in Peru's Tropical Forests While Fostering Climate Change Mitigation Project (BMU-GIZ) at the Reserva Comunal El Sira for their invitation to participate on Expedición Llullapichis and to produce this manuscript. Field work was conducted under permit No. 001-2010-SERNANP-RCES, issued by the Peruvian Servicio Nacional de Áreas Naturales Protegidas por el Estado (SERNANP) and ECOSIRA. Dan Lane and Tom Schulenberg provided helpful comments concerning some records. We thank our field assistants Elmer & Mehler Zang (CN Nuevo Unidos Tahuantisuyo) for their invaluable help in conducting field work and Lily Rodríguez for her assistance with logistical arrangements and support.

#### References

- Bond, J. (1950) Notes on Peruvian Formicariidae. Proc. Acad. Nat. Sci. Philadelphia 102: 1–26.
- Forero-Medina, G., Terborgh, J., Socolar, S. J. & Pimm, S. L. (2011) Elevational ranges of birds on a tropical montane gradient lag behind warming temperatures. *PLoS ONE* 6: e28535.

- Gastañaga C., M., MacLeod, R., Brooks, D. M. & Hennessey, B. (2011) Distinctive morphology, ecology, and first vocal descriptions of Sira Curassow (*Pauxi [unicornis] koepckeae*): evidence for species rank. Orn. Neotrop. 22: 267–279.
- González M., O. E. (1998) Birds of the lowland forest of Cerros del Sira, central Peru. *Cotinga* 9: 57–60.
- Graves, G. R. & Weske, J. S. (1987) Tangara phillipsii, a new species of tanager from the Cerros del Sira, eastern Peru. Wilson Bull. 99: 1-6.
- Harvey, M. G., Winger, B. M., Seeholzer, G. F. & Cáceres A., D. (2011) Avifauna of the Gran Pajonal and southern Cerros del Sira, Peru. Wilson J. Orn. 123: 289–315.
- Mee, A., Ohlson, J., Stewart, I., Wilson, M., Örn, P. & Diaz F., J. (2002) The Cerros del Sira revisited: birds of submontane and montane forest. *Cotinga* 18: 46–57.
- Seeholzer, G. F., Winger, B. M., Harvey, M. G., Cáceres A., D. & Weckstein, J. D. (2012) A new species of barbet (Capitonidae: *Capito*) from the Cerros del Sira, Ucayali, Peru. *Auk* 129: 551–559.
- Stattersfield, A. J., Crosby, M. J., Long, A. J. & Wege, D. C. (1998) Endemic Bird Areas of the world: priorities for biodiversity conservation.

Cambridge, UK: BirdLife International (Conserv. Series 9).

- Stotz, D. F. (1990) Corrections and additions to the Brazilian avifauna. *Condor* 92: 1078–1079.
- Terborgh, J. (1985) The role of ecotones in the distribution of Andean birds. *Ecology* 66: 1237-1246.
- Terborgh, J. & Weske, J. S. (1975) The role of competition in the distribution of Andean birds. *Ecology* 56: 562–576.
- Weske, J. S. & Terborgh, J. W. (1971) A new subspecies of curassow of the genus *Pauxi* from Peru. *Auk* 88: 233–238.

#### S. Jacob Socolar

Dept. of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ 08540, USA. E-mail: jacob. socolar@gmail.com.

#### Óscar González

School of Natural Resources and the Environment, University of Florida, Gainesville, FL 32611, USA. E-mail: pajarologo@hotmail.com.

#### German Forero-Medina

Wildlife Conservation Society, Cali, Colombia. E-mail: forecroc@yahoo.com.

### Appendix I. Updated elevational checklist for the avifauna of the northern Cerros del Sira.

**Elevational Range** Elevational range for the present expedition is given as the min. / max. elevations at which we recorded a taxon. Elevational ranges in **bold** represent extensions of at least 100 vertical metres from previous known range on the northern Cerros del Sira. Elevational range for all expeditions is given as the min. / max. elevations compiled from the present expedition and the observations published in Graves & Weske<sup>5</sup>, Mee *et al.*<sup>7</sup>, Terborgh & Weske<sup>12</sup> and Weske & Terborgh<sup>13</sup>. A few unpublished observations from Terborgh & Weske's effort are also included. Terborgh & Weske<sup>12</sup> included only species shared between the Cerros del Sira and the Cordillera Vilcabamba in their checklist. Their additional records from Sira are largely unpublished (some were incorporated in Mee *et al.*<sup>7</sup>) and their specimens are at the American Museum of Natural History, New York.

**Abbreviations used.** L = lowlands at or below 350 m; (F) = observed only as a flyover at this elevation; E = extreme or abnormal elevation, apparently outside normal range.

Evidence Applies only when an elevational range is given for the present expedition:

- **P** Mist-netted (photograph)
- V Sound-recorded

(blank) sight or sound record without documentation

		Elevation	nal range (m)	
Scientific name	English name	Present expedition	All expeditions	Evidence
TINAMIDAE				
Tinamus tao	Grey Tinamou	690	690-1,500	
Tinamus major	Great Tinamou		L690	
Crypturellus cinereus	Cinereous Tinamou		200-400	
Crypturellus soui	Little Tinamou	690-822	L-900	
Crypturellus obsoletus	Brown Tinamou	1,350–1,575	1,350–1,575	
Crypturellus variegatus	Variegated Tinamou		950	
CRACIDAE				
Chamapetes goudotii	Sickle-winged Guan	1,550– <b>1,700</b>	1,450-1,700	
Penelope jacquacu	Spix's Guan		L-1,130	
Ortalis guttata	Speckled Chachalaca		L-400	
Mitu tuberosum	Razor-billed Curassow		L-900	

		Elevatio	onal range (m)	
Scientific name	English name	Present expedition	All expeditions	Evidence
Pauxi koepckeae	Sira Curassow	1,350– <b>1,686</b>	1,200-1,686	V
ODONTOPHORIDAE				
Odontophorus speciosus	Rufous-breasted Wood Quail	1,570	1,100-1,970	
Odontophorus stellatus	Starred Wood Quail		L	
ARDEIDAE				
Pilherodius pileatus	Capped Heron		L	
CATHARTIDAE				
Cathartes aura	Turkey Vulture		L-450	
Cathartes melambrotus	Greater Yellow-headed Vulture	690 (F)	L-900	
Coragyps atratus	Black Vulture		L-450	
Sarcoramphus papa	King Vulture		L-1,570	
ACCIPITRIDAE				
Elanoides forficatus	Swallow-tailed Kite	690 (F)-2,220 (F)	L-2,220 (F)	
Harpagus bidentatus	Double-toothed Kite		L	
Ictinia plumbea	Plumbeous Kite		L690	
Accipiter striatus	Sharp-shinned Hawk		1,310-2,220	
Harpyhaliaetus solitarius	Solitary Eagle	1,970– <b>2,100</b>	1,050-2,100	
Rupornis magnirostris	Roadside Hawk		L-450	
Pseudastur albicollis	White Hawk	690-1,350	L-1,450	
Leucopternis kuhli	White-browed Hawk		L	
Buteo brachyurus	Short-tailed Hawk	2,220 (F)	2,220 (F)	
Spizaetus tyrannus	Black Hawk-Eagle	I,970 (F)	L-1,970 (F)	
Spizaetus melanoleucos	Black-and-white Hawk-Eagle		L-2,220	
Spizaetus ornatus	Ornate Hawk-Eagle	1,000– <b>1,310</b>	1,000-1,310	
EURYPYGIDAE				
Heliornis fulica	Sungrebe		L	
CHARADRIIDAE	-			
Vanellus cayanus	Pied Lapwing		L	
SCOLOPACIDAE				
Actitis macularius	Spotted Sandpiper		L	
COLUMBIDAE				
Patagioenas speciosa	Scaled Pigeon	1,350	L-1,400	
Patagioenas fasciata	Band-tailed Pigeon	2,150	2,150	V
Patagioenas plumbea	Plumbeous Pigeon	690-1,570	L-1,570	V
Patagioenas subvinacea	Ruddy Pigeon	1,310– <b>1,970</b>	L-1,970	
Leptotila rufaxilla	Grey-fronted Dove		L400	
Geotrygon frenata	White-throated Quail-Dove	1,350	1,150-2,220	
Geotrygon montana	Ruddy Quail-Dove	690	L-1,450	
CUCULIDAE				
Piaya cayana	Squirrel Cuckoo	460-1,570	L-2,220	
Piaya melanogaster	Black-bellied Cuckoo	690	690	
Crotophaga ani	Smooth-billed Ani		L400	
STRIGIDAE				
Megascops choliba	Tropical Screech Owl		1,450-1,500	
Megascops ingens	Rufescent Screech Owl	1,570	1,450–2,220	
Megascops watsonii	Tawny-bellied Screech Owl		L-750	
Megascops guatemalae	Vermiculated Sceech Owl	1,350	900-1,350	
Lophostrix cristata	Crested Owl	450	450	
	Spectacled Owl		L-1,130	
Pulsatrix perspicillata				
Pulsatrix perspicillata Pulsatrix melanota	Band-bellied Owl	750	750	V

		Elevatior	nal range (m)	
Scientific name	English name	Present expedition	All expeditions	Evidence
Ciccaba albitarsis	Rufous-banded Owl	1,970-2,220	1,970–2,220	V
Glaucidium parkeri	Subtropical Pygmy Owl	1,570	L-1,570	Р
, Glaucidium brasilianum	Ferruginous Pygmy Owl		L-690	
NYCTIBIIDAE	6 ,6 ,			
Nyctibius grandis	Great Potoo	450	450	
Nyctibius aethereus	Long-tailed Potoo		750	
Nyctibius griseus	Common Potoo	1,350– <b>1,970</b>	L-1,970	V
CAPRIMULGIDAE		,, <b>.</b>		
Nyctiphrynus ocellatus	Ocellated Poorwill	900	900-1,130	
Uropsalis lyra	Lyre-tailed Nightjar		1,570	
APODIDAE	_/		.,	
Streptoprocne rutila	Chestnut-collared Swift	1,970 (F)-2,220 (F)	750–2,220 (F)	
Streptoprocne zonaris	White-collared Swift	I,750 (F)-2,220 (F)	L-2,220 (F)	
Chaetura egregia	Pale-rumped Swift	.,	L-450	
Chaetura brachyura	Short-tailed Swift		L-450	
,				
TROCHILIDAE Florisuga mellivora	White-necked Jacobin	690	L-1,450	Р
Eutoxeres condamini	Buff-tailed Sicklebill	690-1,570	690-1,570	P
Threnetes leucurus	Pale-tailed Barbthroat	690–1, <b>570</b>	L-1,570	P
Phaethornis guy	Green Hermit	1,310	750–1,350	P
Phaethornis hispidus	White-bearded Hermit	1,510	750-1,350	r
Phaethornis superciliosus	Long-tailed Hermit	690	L-1,130	Р
Phaethornis koepckeae	Koepcke's Hermit	900	750–900	r
Doryfera ludovicae	Green-fronted Lancebill	1,970–2,220	750–2,220	Р
Doryfera johannae	Blue-fronted Lancebill	1,310– <b>1,570</b>	750–1,570	P
Schistes geoffroyi	Wedge-billed Hummingbird	1,570	1,130–2,220	P
Colibri delphinae	Brown Violetear	1,370	1,150-2,220	r
Colibri thalassinus	Green Violetear		1,350-1,500	
Colibri coruscans	Sparkling Violetear	2,220	2,220	Р
Heliothryx auritus	Black-eared Fairy	2,220	750–900	r
Lophornis delattrei	Rufous-crested Coquette		750–900	
Phlogophilus harterti	Peruvian Piedtail	1,000-1,310	1,000–1,310	Р
Adelomyia melanogenys	Speckled Hummingbird	1,310-2,220	1,100-2,220	P,V
Aglaiocercus kingi	Long-tailed Sylph	<b>1,250</b> –2,220	1,250-2,220	P
Haplophaedia assimilis	Buff-thighed Puffleg	1,350–2,220	1,310-2,220	P
Coeligena coeligena	Bronzy Inca	1,500–2,220	1,130-2,220	P
Ocreatus underwoodii	Booted Racket-tail	1,350–1,570	1,310-1,570	P
Heliodoxa branickii	Rufous-webbed Brilliant	1,310–1,570	900-1,570	P
Heliodoxa aurescens	Gould's lewelfront	1,510-1,570	690–1,130	I
Heliodoxa leadbeateri	Violet-fronted Brilliant	<b>1,000</b> –1,750	1,000–2,220	Р
Chlorostilbon mellisugus	Blue-tailed Emerald	1,690	1,690	
Thalurania furcata	Fork-tailed Woodnymph	690-1,000	L-1,400	Р
Chrysuronia oenone	Golden-tailed Sapphire	070 1,000	750	
,	Golden-tailed Sapprine		/50	
TROGONIDAE Pharamachara baraninun	Pavening Quetral	400	400	
Pharomachrus pavoninus Pharomachrus auricebs	Pavonine Quetzal Golden-headed Quetzal	VVF	400	
Pharomachrus auriceps Pharomachrus antisianus	Crested Quetzal		1,030–1,130 1,450	
			1,450 L	
Trogon melanurus Trogon viridis	Black-tailed Trogon Green backed Trogon	690	L L-900	V
Trogon viridis Trogon curucui	Green-backed Trogon			v
Trogon curucui Trogon collaris	Blue-crowned Trogon	1,310– <b>1,570</b>	L-1,570	Р
	Collared Trogon Masked Trogon	1,310 1 350-2 220	L-2,220	P
Trogon personatus	Masked Trogon	<b>1,350</b> –2,220	1,350–2,220	I

		Elevatio	nal range (m)	
Scientific name	English name	Present expedition	All expeditions	Evidence
ALCEDINIDAE	0		·	
Megaceryle torquata	Ringed Kingfisher		L-450	
Chloroceryle amazona	Green Kingfisher		L-500	
Chloroceryle americana	Amazon Kingfisher	400	400	
MOMOTIDAE				
Electron platyrhynchum	Broad-billed Motmot		500	
Baryphthengus martii	Rufous Motmot	690	690	
Momotus momota	Amazonian Motmot		L	
Momotus aequatorialis	Andean Motmot	1,570	1,570	Р
BUCCONIDAE				
Notharchus hyperrhynchus	White-necked Puffbird		400	
Notharchus tectus	Pied Puffbird		750	
Nystalus striolatus	Striolated Puffbird	690- <b>1,350</b>	690-1,350	Р
Malacoptila fusca	White-chested Puffbird		L-900	
Malacoptila fulvogularis	Black-streaked Puffbird	1,570	1,450–1,570	Р
Nonnula ruficapilla	Rufous-capped Nunlet		L	
Monasa nigrifrons	Black-fronted Nunbird		L-400	
Monasa morphoeus	White-fronted Nunbird		L690	
Chelidoptera tenebrosa	Swallow-winged Puffbird	L	L	
CAPITONIDAE				
Capito auratus	Gilded Barbet	690- <b>1,570</b>	L-1,570	Р
Eubucco richardsoni	Lemon-throated Barbet		L	
Eubucco versicolor	Versicoloured Barbet	1,000–1,570	1,000–1,570	
RAMPHASTIDAE				
Ramphastos tucanus	White-throated Toucan	690- <b>1,350</b>	L-1,350	
Aulacorhynchus prasinus	Emerald Toucanet		690	
Aulacorhynchus derbianus	Chestnut-tipped Toucanet	1,310–1,570	1,130–1,570	Р
Selenidera reinwardtii	Golden-collared Toucanet	690-1,350	L-1,450	Р
Pteroglossus castanotis	Chestnut-eared Aracari	L	L-400	
Pteroglossus azara	lvory-billed Aracari		L-950	
Pteroglossus beauharnaesii	Curl-crested Aracari		L690	
PICIDAE				
Picumnus lafresnayi	Lafresnaye's Piculet		800	
Melanerpes cruentatus	Yellow-tufted Woodpecker		L-690	Р
Picoides fumigatus	Smoky-brown Woodpecker	1,570–1,750	1,310-2,220 L-900	r
Veniliornis affinis Piculus leucolaemus	Red-stained Woodpecker		750	
	White-throated Woodpecker	1,350-1,700	1,260–1,970	
Colaptes rubiginosus Colaptes punctigula	Golden-olive Woodpecker Spot-breasted Woodpecker	L	L	
Dryocopus lineatus	Lineated Woodpecker	-	L	
Campephilus rubricollis	Red-necked Woodpecker	690	L L-800	
Campephilus melanoleucos	Crimson-crested Woodpecker	070	L-690	
	Chinison-created Woodpecker		2 070	
FALCONIDAE Micrastur ruficollis	Barred Forest Falcon		690-1,150	
Micrastur gilvicollis	Lined Forest Falcon	1,570	1,570	Р
Ibycter americanus	Red-throated Caracara	800– <b>1,350</b>	L-1,350	
Falco rufigularis	Bat Falcon		L-900	
	Datracon		2 700	
PSITTACIDAE Ara macao	Scarlet Macaw		L690	
Ara chloropterus	Red-and-green Macaw	450-690 (F)	L-800	
Ara severus	Chestnut-fronted Macaw		L-400	
	encounter a chiefe i lacam			

		Elevatio	nal range (m)	
Scientific name	English name	Present expedition	All expeditions	Evidence
Primolius couloni	Blue-headed Macaw	-	400	
Aratinga leucophthalma	White-eyed Parakeet	450	L-750	
Aratinga weddellii	Dusky-headed Parakeet		L-400	
Pyrrhura roseifrons	Rose-fronted Parakeet		L-900	
Pionus menstruus	Blue-headed Parrot		L-900	
Amazona ochrocephala	Yellow-crowned Parrot		L690	
Amazona farinosa	Mealy Parrot	690	L-1,150	
THAMNOPHILIDAE				
Cymbilaimus lineatus	Fasciated Antshrike		L	
Thamnophilus palliatus	Chestnut-backed Antshrike	1,570	1,380-1570	
Thamnophilus schistaceus	Plain-winged Antshrike		L-690	
Thamnophilus murinus	Mouse-coloured Antshrike	690	L-900	V
Thamnophilus caerulescens	Variable Antshrike	1,750-1,970	1,310-2,220	Р
, Thamnophilus aethiops	White-shouldered Antshrike	690	L690	Р
Thamnistes anabatinus	Russet Antshrike		1,310	
Dysithamnus mentalis	Plain Antvireo	1,310– <b>1,570</b>	750-1,570	Р
Thamnomanes ardesiacus	Dusky-throated Antshrike	, , ,	L-900	
Thamnomanes schistogynus	Bluish-slate Antshrike		L-690	
Pygiptila stellaris	Spot-winged Antshrike		L	
Epinecrophylla haematonota	Stipple-throated Antwren		- 900-1,150	
Epinecrophylla spodionota	Foothill Antwren		750–1,100	
Epinecrophylla ornata	Ornate Antwren		690	
Epinecrophylla erythrura	Rufous-tailed Antwren	450	L-690	
Myrmotherula brachyura	Pygmy Antwren	150	L-900	
Myrmotherula hauxwelli	Plain-throated Antwren		L	
Myrmotherula axillaris	White-flanked Antwren	690	L-690	
Myrmotherula schisticolor	Slaty Antwren	1,000	1,000–1,570	Р
Myrmotherula sunensis	Rio Suno Antwren	450	L-690	1
,		390	L-750	
Myrmotherula menetriesii	Grey Antwren			
Herpsilochmus motacilloides	Creamy-bellied Antwren	1,310–1,350	1,310-1,500	
Herpsilochmus rufimarginatus	Rufous-winged Antwren	690- <b>1,000</b>	690-1,000	DV
Drymophila caudata	Long-tailed Antbird	1,650–2,220	1,400–2,220	P,V
Hypocnemis peruviana	Peruvian Warbling Antbird	1 500	L	
Cercomacra cinerascens	Grey Antbird	L-500	L-750	
Cercomacra nigrescens	Blackish Antbird	1,570	1,310-1,570	Р
Cercomacra serva	Black Antbird	690-1,000	L-1,000	Р
Myrmoborus myotherinus	Black-faced Antbird		L-1,000	
Schistocichla leucostigma	Spot-winged Antbird	1,000	1,000	
Myrmeciza hemimelanea	Chestnut-tailed Antbird	1,350	L-1,350	
Myrmeciza fortis	Sooty Antbird		690	
Pithys albifrons	White-plumed Antbird	<i>(</i> <b>00</b>	L-690	
Rhegmatorhina melanosticta	Hairy-crested Antbird	690	690-900	Р
Hylophylax naevius	Spot-backed Antbird		L-1,130	_
Willisornis poecilinotus	Scale-backed Antbird	690	L-1,130	Р
Phlegopsis nigromaculata	Black-spotted Bare-eye		L	
CONOPOPHAGIDAE	Ash threated Contents		490	
Conopophaga peruviana	Ash-throated Gnateater		690	D
Conopophaga castaneiceps	Chestnut-crowned Gnateater	1,100–1,570	1,100–1,570	Р
GRALLARIIDAE Myrmothera campanisona	Thrush-like Antpitta	1,000	L-1,000	
Grallaricula flavirostris	Ochre-breasted Antpitta	1,650 <b>–1,750</b>	1,310–1,750	Р
Granaricala plavirostris	Ochie-breasted Antpitta	1,0 <b>0</b> 0 <b>-1,730</b>	1,310-1,730	I

Scientific namePresent expeditionAll operationPrivateRHINOCH1,00750-1,00150150150Synthep provinstrinRuity-behed Tapaculo1,501,50150 </th <th></th> <th></th> <th>Elevatio</th> <th>onal range (m)</th> <th></th>			Elevatio	onal range (m)	
Lissels theracius     Rusy-betted Tapaculo     1,10     750-1,100     V       Synthys provinstris     Trilling Tapaculo     1,50-1,750     1,50-1,700     V       Synthys provinstris     White-crowned Tapaculo     1,30-1,570     1,30-1,570     V       Synthys provinstris     Bick-faced Antthrush     L     L     L       Formicatin comino     Short-ailed Antthrush     L-850     D     D       Channeza companisano     Short-ailed Antthrush     L-800     P     P       Scientus mackman     Tawny-throated Lafatoser     L-800     P     P       Scientus mackman     Short-ailed Antthrush     L/30-1,500     P     P       Scientus mackman     Sayt-short Barbaral     L/50-1     Sientus Sunthrush     P       Scientus mackman     Spatchale financieser     L/200     P     P       Scientus Sunthrush     L/50-1     L/30-2200     P     P       Premonety Edubatistic Scientus Vingel Hootbill     L/30-2200     P     P       Syndochybe indivaderalita     Bick-Scient Galag-gleaner     L/30-2200     P <tr< th=""><th>Scientific name</th><th>English name</th><th></th><th>• • •</th><th>Evidence</th></tr<>	Scientific name	English name		• • •	Evidence
Syntakpus parvinatrisTrilling Tapaculo2,1502,150VSyntakpus returnesRufou-ventes Tapaculo1,570–1,7301,550–1,750VSyntakpus returnesRufou-ventes Tapaculo1,310–1,5701,550–1,750VFORMICARIIDAEEEEFormicatus analisBlackfaced AnthrushLLEFORMICARIIDAEEEEESchums candecatusBlackfaced AnthrushL690–1,310PSchums candecatusBlackfaced AnthrushL690–1,310PSchums candecatusBlackfaced AnthrushL1,500FSchums candecatusBlackfaced AnthrushLL-690FSchums candecatusBlackfaced AnthrushLL-690FPermonatig pattuligensRunzy-winged Barbail1,700–1,7701,310–1,770PPermonatig pattuligensRunzy-winged BarbailLL200–2,220PPAnderson schumiderBarbaile (Englegenereit1,310–2,220PPSyndachfor lunfacetof Foliag-genereL1,310–2,220PPSyndachfor lunfacetof Foliag-genereL1,310–2,220PPSyndachfor lunfacetof Foliag-genereL1,310–2,220PPSyndachfor lunfacetof Foliag-genereL1,310–2,220PPSyndachfor lunfacetof Foliag-genereLLSFHajder reginerizetaBarbolinereBarbolinereLSFHajder reginereta <td>RHINOCRYPTIDAE</td> <td>-</td> <td></td> <td>·</td> <td></td>	RHINOCRYPTIDAE	-		·	
Synthetics frammalisRufour-venned Tapaculo1,570-1,7501,550-1,750VSynthetics raturaWhite-crevened Tapaculo1,310-1,5701,310-1,570VPCMMICARIDNEEEEFormicania onalirBlack-faced AnthrushL-850ECommean companianceShort-tailed Anthrush1,310-1,350P/VPUNARIDAEEEEFurnanciana onalirShort-tailed Anthrush1,310-1,350P/VConsidence carteriaAsh-browed Spinetal1,5001,450-1,500PPermoning straffighersRury-winged Barbail1,5001,450-1,500PPermoning straffighersSported Spinetal1,500-1,7001,310-1,970PPermoning straffighersSported Straffiel1,200-2,2201,310-2,220PMargaroninis spormigerPeried Trearumer1,310-2,220PPSpindergh dingsbeetildStrasked Tuffacheckek1,310-2,220PPAnderspecifichaBafforwed Foliga-gleaner1,310-2,220PPPhigher prignosticaChestras-wingel Foliga-gleaner1,310-2,220PPPhigher prignosticaChestras-wingel Foliga-gleaner1,310-1,570PPPhigher prignosticaRufous-tailed Foliga-gleaner1,3101,310-1,570PPhigher prignosticaBack-Bield Trestras-winger Foliga-gleaner1,3101,310-1,570PPhigher prignosticaBack-Bield Trestras-winger Foliga-gleaner1,3101,310-1,570PPhigher	Liosceles thoracicus	Rusty-belted Tapaculo	1,100	750-1,100	
Systepsize atratusWhite-crowned Tapaculo1.310-1.5701.30-1.570VFORMICATIONEIFormaniza combRufour-caped AnthhrushLLformaniza comb ationaBiack-caled AnthrushL-850VChanneza companizanaShart-tailed Anthrush1.310-1.35090-1.350P.VFURNARIDAEII.310-1.35090-1.350P.VGenuras companizanaBiack-caled LadiosserI.460600-1.310PScherus mexicousBiack-caled LadiosserI.3001.360-1.500PFormanipe funcesSpotted Barbail1.5001.370-2200PPPeramophe humanesRusty-winged Barbail1.500-22001.370-2200PPMargaromia spanniperPearled Treerunner2.220PPeramophe humanesSpotted Barbail1.30-2200PPSyndexcle subdustsBartern WoodhanterB30-1.500I.310-2200PSyndexcle subdustsBartern WoodhanterB30-1.500I.310-2200PPhylober chiftocantumRufour-subged Foliage-gleanerI.310-2200PPPhylober chiftocantumRufour-subged Foliage-gleanerI.310-2200PPPhylober chiftocantumRufour-subged Foliage-gleanerI.310-2200PPPhylober chiftocantumRufour-subged Foliage-gleanerI.310-1.500PPPhylober chiftocantumBat-Fortende Foliage-gleanerI.310-1.500PPPhylober chiftocantumBat-Fortende Foliage-gleaner	Scytalopus parvirostris	Trilling Tapaculo	2,150	2,150	V
PCMPICARIIDAE     Enduce-targed Ansthrush     L       Formacisia comba     Back-faced Ansthrush     L=830       Chamaeza companisona     Shart-salied Ansthrush     1.310–1.350     900–1.350     P,V       FURNARIIDAE     -	Scytalopus femoralis	Rufous-vented Tapaculo	1,570– <b>1,750</b>	1,550-1,750	V
formicinits cellina     Refuse-supped Antthrush     L       formicinits cellina     Blad-faced Anthrush     1,310–1,350     900–1,350     P.V       FUENCE	Scytalopus atratus	White-crowned Tapaculo	1,310-1,570	1,130-1,570	V
formicinits cellina     Refuse-supped Antthrush     L       formicinits cellina     Blad-faced Anthrush     1,310–1,350     900–1,350     P.V       FUENCE	FORMICARIIDAE				
Channezzo campenisona     Short-sailed Anthrush     1,310-1,350     900-1,350     P.Y       FURNARIIDAE	Formicarius colma	Rufous-capped Antthrush		L	
FURNARIDAE   Tawny-throated Laffosser   1,310   690–1,310   P     Sdenum candkonna   Black-lafel Laffosser   1,500   1,450–1,500      Graniolaca cuntati   Ash-browed Spinetail   1,750–1,970   1,310–1,970   P     Premmolyer bunnescens   Sported Barbail   1,200–2,220   1,310–2,220   P     Margaromis spuniger   Paraled Treerunner   2,220   P     Perudociptise biosoneutii   Streaked Tufescheck   1,750–2,720   1,70–2,220   P     Syndacryla utolonia   Lineated Foliage-gleaner   1,310–2,220   P   P     Syndacryla utolonia   Buff-browed Foliage-gleaner   1,310–2,220   P   P     Syndacryla utolonia   Buff-browed Foliage-gleaner   1,000–1,750   L   D   P     Hiydor rufficaudatum   Rufous-talled Foliage-gleaner   1,000–1,750   L   L   SD     Hiydor rufficaudatum   Buff-browed Foliage-gleaner   1,000–1,750   TSD   P     Hiydor rufficaudatum   Buff-browed Foliage-gleaner   1,000–1,750   P   Automola sinficatus   Diff-trowed Foliage-gleaner   L   L     Hiydor ruffica	Formicarius analis	Black-faced Antthrush		L-850	
Sciences     Taysy-chroated Ladrosser     I,10     69–130     P       Sciences conductus     Back-tailed Lafrosser     L-690	Chamaeza campanisona	Short-tailed Antthrush	1,310– <b>1,350</b>	900-1,350	P,V
Sciences     Blackailed Leafcosser     L-690       Canalotics curitatia     Ath-browed Spinetail     1,500     1,450-1,500       Premmoner gutuiligeus     Rusty-winged Barbail     1,200-2,220     1,310-2,220     P       Margeronris spinninger     Partel Treerunner     2,220     P     P       Syndoctyle subissoneauti     Streaked Tuftedheek     1,750-2,220     1,310-2,220     P       Syndoctyle subissoneauti     Streaked Tuftedheek     1,310-2,220     P     P       Syndoctyle subissoneauti     Barfbrowed Foliage-gleaner     1,310-2,220     P     P       Syndoctyle subissoneauti     Barfbrowed Foliage-gleaner     1,310-2,220     P     P       Syndoctyle subissoneauti     Barfbrowed Foliage-gleaner     1,000-1,750     P     P       Philydor rufficaudatum     Rufour-tailed Foliage-gleaner     1,000-1,450     To     To       Philydor rufficaudatum     Barfbronted Foliage-gleaner     1,000-1,450     P     Automolus infujionas       Automolus rufficionas     Barfbronted Foliage-gleaner     1,000-1,450     P     Automolus infujionas     P       Automolus ru	FURNARIIDAE				
Ganiolauca cuntata     Ash-browed Spinetail     1,500     1,450–1,500       Premoniple traumecris gatuligens     Russy-winged Barbail     1,200–2,220     1,310–2,220     P       Margaronis gatuligens     Sparted Barbail     1,200–2,220     1,570–2,220     P       Margaronis gatuligens     Sinsked Trifedcheck     1,570–2,220     1,570–2,220     P       Syndachfa rubspercilian     Buffarowel Foliage-gleaner     1,310–2,220     P     Ancitrops striffians     Chestrut-winged Hookbill     750–900     P       Hyldor infraucodum     Rufous-salied Foliage-gleaner     1,000–1,750     1,000–1,750     P       Hyldor orghnocecum     Rufous-salied Foliage-gleaner     1,000–1,450     TS0–1,450     P       Hyldor orghnocecum     Buff-Foreid Foliage-gleaner     1,000–1,750     P     P       Hyldor rufin     Buff-Foreid Foliage-gleaner     1,000–1,750     P     P       Hyldor rufin     Buff-Foreid Foliage-gleaner     1,000–1,570     FO     FO       Tripodoctes melanofynchus     Buff-Foreid Foliage-gleaner     1,000–1,570     P     Latomotus infinietus     Di     Latomotus infinietus <td< td=""><td>Sclerurus mexicanus</td><td>Tawny-throated Leaftosser</td><td>1,310</td><td>690-1,310</td><td>Р</td></td<>	Sclerurus mexicanus	Tawny-throated Leaftosser	1,310	690-1,310	Р
Premnonic guttuligens     Rusty-winged Barbail     1,750–1,970     1,310–1,970     P       Premnonice transmescens     Spotted Barbail     1,200–2220     1,730–2200     P       Margaromis squamiger     Parled Trearunner     220     P       Syndachjo subdinis     Linated Foliage-gleaner     1,310–2200     1,710–2200     P       Syndachjo nfosupercilita     Bufforowed Foliage-gleaner     1,310–2200     1,310–2200     P       Syndachjo nfosupercilitas     Bufforowed Foliage-gleaner     1,310–2200     P     P       Hijdor onfosupercilitas     Bufforowed Foliage-gleaner     1,000–1,750     L     P       Hijdor onfosupercilitas     Bufforotaed Foliage-gleaner     1,000–1,750     P     P       Hijdor onfosupercilitas     Buff-forotaed Foliage-gleaner     1,000–1,750     P     P       Hijdor onfosupercilitas     Buff-forotaed Foliage-gleaner     1,000–1,750     P     P       Automolus infuscatus     Buff-forotaed Foliage-gleaner     1,000–1,450     P     Automolus infuscatus     P       Automolus infuscatus     Buff-forotaed Foliage-gleaner     1,00     L     L	Sclerurus caudacutus	Black-tailed Leaftosser		L-690	
Premoplex humanecens     Sported Barbtail     1,200–2,220     1,130–2,220     P       Margaromis squamiger     Paraled Trearunner     2,20     2,20       Pseudocolptes buissneauti     Streaked Tuftedcheek     1,750–2,220     1,310–2,220     P       Syndactyle sublatins     Linated Foliage-gleaner     1,310–2,220     1,310–2,220     P       Syndactyle sublatins     Chestruu-winged Hokball     750–900     P       Hyldor ruficaudatum     Rufaus-runged Foliage-gleaner     900     P       Hyldor ruficaudatum     Rufaus-runged Foliage-gleaner     1,000–1,750     P       Hyldor ruficaudatum     Buft-Fronted Foliage-gleaner     1,000–1,750     P       Hyldor ruficaudatum     Buft-Fronted Foliage-gleaner     1,000–1,750     P       Hyldor rufinu     Buft-Fronted Foliage-gleaner     690–1,570     690–1,570       Automolus artifizetum     Balack-billed Treehunter     1,310     Xatomolus rufinitatus     P       Automolus rufinitatus     Chestruu-winge Foliage-gleaner     690–1,570     690     P       Automolus rufinitatus     Chestruu-winge Foliage-gleaner     1,310     Xatomolus rufini	Cranioleuca curtata	Ash-browed Spinetail	1,500	1,450-1,500	
Margaromis squamigerPearled Treerunner2,220Pearled Treerunner2,220Pearled Treerunner1,750-2200Pseudociolptes bissoneautiStraaked Tuftedcheek1,10-2,220PSyndechyl nrigbuperdinaBuft-browed Foliage-gleaner1,310-2,220PAncistrops strigitausChestnut-winged HookbillFlydor tiffcandudtimRufous-turide Foliage-gleanerHyloctines subulansEstern WoodhaunterBibd-ruffacidadtimRufous-turide Foliage-gleanerPhilydor regrinordutimRufous-turide Foliage-gleanerPhilydor entrofundtimBuft-formed Foliage-gleanerInpidect sizBuft-formed Foliage-gleanerInpidect sizBuft-formed Foliage-gleanerInpidect sizBuft-formed Foliage-gleanerInpidect sizOlive-hacked Foliage-gleanerAutomolus infuscusBuft-formed Foliage-gleanerAutomolus infuscusStart-turcowned Foliage-gleanerAutomolus infuscusSpot-throated Foliage-gleanerAutomolus infuscusSpot-throated Foliage-gleanerAutomolus infuscusSpot-throated Foliage-gleanerLachniss mentariaSpar-patiled StreamcreeperAutomolus infinicatusSpot-throated MoodcreeperPandecidea traminaStraaeld AkonpsI,130-1,570PDendroich (BipsoiaPlain-KonogStreaked Kanops1,570I,130-1,570PCerthissonus strice/BinusOlicacous WoodcreeperGoliphingricus spirmusVedge-billed WoodcreeperOptionyrchus sp	Premnornis guttuligerus	Rusty-winged Barbtail	1,750–1,970	1,310-1,970	Р
Periodicologite boissoneautii     Streaked Tuftedcheek     1,750-2220     1,570-2220     P.V       Syndachyla subdaris     Linested Foliage-gleaner     1,310-2,220     P       Syndachyla nufsouperciliatu     Buff-browed Foliage-gleaner     1,310-2,220     P       Anicstrups strippilisus     Chestrut-winged Hookbill     750-900     P       Hijdor ruffcaudatum     Rufous-rumped Foliage-gleaner     900     P       Hijdor ruffcaudatum     Rufous-rumped Foliage-gleaner     1,000-1,750     P       Hijdor ruffur     Chestrut-winged Foliage-gleaner     1,000-1,750     P       Hijdor ruffur     Buff-fronted Foliage-gleaner     1,000-1,750     P       Hijdor ruffur     Buff-fronted Foliage-gleaner     1,000-1,750     P       Autamolus fulpilotus     Chestrut-trowned Foliage-gleaner     1,310     1,310-1,450       Autamolus fulpilotus     Olive-backed Foliage-gleaner     690     1,310       Autamolus fulpilotus     Chestrut-crowned Foliage-gleaner     1,310     1,310-1,570       Chestrut-crowned Foliage-gleaner     1,310     1,310-1,570     P       Autatonolus fulpilotus     Chestrut-crowned Fo	Premnoplex brunnescens	Spotted Barbtail	1,200-2,220	1,130-2,220	Р
Syndactyla vubsalaris     Lineated Foliage-gleaner     I,310-2,220     I,310-2,220     P       Syndactyla vubsalperciliata     Bufbrowed Foliage-gleaner     I,310-2,220     P       Ancitarops strigitatus     Chestnut-winged Hookbill     Too-900     P       Mydortyla rubsalbutus     Eastern Woodhaunter     850-1,550     L-1,550     P       Philydar rufnacudatum     Rufous-tailed Foliage-gleaner     1,000-1,750     P     P       Philydar rufnacudatum     Buff-fronted Foliage-gleaner     1,000-1,750     P     P       Philydar rufnacudatum     Buff-fronted Foliage-gleaner     1,000-1,750     P     P       Automolus orbinolemus     Buff-fronted Foliage-gleaner     1,000-1,750     P     P       Automolus finginasus     Back-billed Treehunter     1,310     1,310-1,450     P       Automolus finginasus     Rubdy Foliage-Gleaner     690-1,570     E     P       Automolus finginasus     Sport-traced Woodcreeper     L     Sport-traced Woodcreeper     L     P     E     P     E     P     E     P     E     P     E     P     <	Margarornis squamiger	Pearled Treerunner		2,220	
Syndacyla rufisspercillataBuff-browed Foliage-gleaner1,310-2,220PAncatrops strigitatasChestrut-winged Hookbill750-900Hyldatistes subulatasEastern Woodhaunter800-1,5501-1,550Philydar orgitanodatumRufous-runped Foliage-gleaner900Philydar orgitanodatumRufous-runped Foliage-gleaner1,000-1,750PPhilydar orgitanodatumBaff-fronted Foliage-gleaner1,000-1,450750-1,450Philydar orgitanodatumBaff-fronted Foliage-gleaner1,3101,310-1,450PAutamolus achrolaterusBafc-hotage-gleaner690-1,570690-1,570PAutamolus infuscatusOlive-backed Foliage-gleaner690-1,570690-1,570PAutamolus infuscatusOlive-backed Foliage-gleanerLLAutamolus infuscatusOlive-backed Foliage-gleaner1,3101,310-1,570PAutamolus rubiginosusRuddy Foliage-GleanerLLLachmias nematuraSharp-tailed Streamcreeper1,3101,100-1,570PCerthiasonus sitcidaterusSpot-throated Woodcreeper690L-Dendracinda fujinisasPlain-brown WoodcreeperL-900Dendracinda fujinisasOlive-backed Voodcreeper690-1,570P-Carbinosonus situationerusStorang-billed Woodcreeper690-1,570P-Dendracinda fujinisasOlive-backed Woodcreeper690-1,570P-Carbinosonus situationerusStorang-billed Woodcreeper690-1,570P	Pseudocolaptes boissoneautii	Streaked Tuftedcheek	1,750-2,220	1,570-2,220	P,V
Andströps trigilatus Chestnut-winged Hokbill 700-900   Hylocitätes subulatus Eastern Woodhaunter 850-1,550 L-1,550   Philydor ruficuudatum Rufous-tailed Foliage-gleaner 900   Philydor ruficuudatum Rufous-tailed Foliage-gleaner 1,000-1,750 P   Philydor rufium Buff-fronted Foliage-gleaner 1,000-1,450 750-1,450   Thripdadetess melanorhynchus Black-billed Treehunter 1,310 1,310-1,450 P   Automolus indiginosus Black-billed Foliage-gleaner 690-1,570 690-1,570 P   Automolus rubignosus Rufdy-foliage-Gleaner 690 L L   Automolus rubignosus Ruddy Foliage-Gleaner 1,310 1,310-1,450 P   Automolus rubignosus Ruddy Foliage-Gleaner 690 L -   Automolus rubignosus Starp-tailed Streamcreeper L L   Lachnias menatura Sharp-tailed Streamcreeper L -   Zenops rutiudus Spot-throated Woodcreeper 690 -   Dendroichd grannia Tyrannine Woodcreeper L=000 -   Statsomus grisecapillus Olivaceous Woodcreeper 690 -   Dendroichd merula White-chinned Woodcreeper 690-1,570 P <t< td=""><td>Syndactyla subalaris</td><td>Lineated Foliage-gleaner</td><td>1,310–<b>2,220</b></td><td>1,310-2,220</td><td>Р</td></t<>	Syndactyla subalaris	Lineated Foliage-gleaner	1,310– <b>2,220</b>	1,310-2,220	Р
Hybricistes subulatus     Eastern Woodhaunter     850–1,550     L–1,550       Philydar unficaudatum     Rufous-tailed Foliage-gleaner     900       Philydar enythrocteraum     Rufous-tumped Foliage-gleaner     1,000–1,750     1,000–1,750       Philydar enythrocteraum     Chestru-tuminged Foliage-gleaner     1,000–1,450     750–1,450       Philydar enythrocteum     Chestru-tuminged Foliage-gleaner     1,310     1,310–1,450     P       Autamolus achrolaemus     Baft-chorated Foliage-gleaner     690–1,570     690–1,570     690–1,570       Autamolus achrolaemus     Olive-backed Foliage-gleaner     1,310     1,310–1,450     P       Autamolus achrolaemus     Suddy Foliage-Gleaner     690     1,570     1     1,500     1       Autamolus aufpitosus     Ruidy Foliage-Gleaner     1,310     1,310     1 </td <td>Syndactyla rufosuperciliata</td> <td>Buff-browed Foliage-gleaner</td> <td>1,310-2,220</td> <td>1,310-2,220</td> <td>Р</td>	Syndactyla rufosuperciliata	Buff-browed Foliage-gleaner	1,310-2,220	1,310-2,220	Р
Hillydor ruficaudatum     Rufous-rumped Foliage-gleaner     I,000–1,750     I,000–1,750       Hillydor erythroberum     Chestrut-winged Foliage-gleaner     I,000–1,450     F       Hillydor erythroberum     Buff-fronted Foliage-gleaner     I,000–1,450     F       Hillydor erythroberum     Buff-fronted Foliage-gleaner     I,000–1,450     F       Automolus orhrohemus     Buff-throated Foliage-gleaner     690–1,570     P       Automolus infuscatus     Olive-backed Foliage-gleaner     690–1,570     P       Automolus infuscatus     Olive-backed Foliage-gleaner     E     L       Automolus infuscatus     Chestrut-crowned Foliage-gleaner     L     L     PO       Automolus infuscatus     Spot-throated Woodcreeper	Ancistrops strigilatus	Chestnut-winged Hookbill		750–900	
Philydor erythroperumRufous-rumped Foliage-gleanerI,000–1,750LPhilydor erythropterumChestnut-winged Foliage-gleanerLPhilydor rufumBuff-fronted Foliage-gleaner1,000–1,450750–1,450Thripadectes melonorhynchusBuff-thronted Foliage-gleaner1,3101,310–1,450PAutomolus cochnolemusBuff-thronted Foliage-gleaner690–1,570690–1,570FAutomolus rubiginosusRufdy Foliage-Gleaner690LLAutomolus rubiginosusRuddy Foliage-Gleaner690LLAutomolus rubiginosusSharp-tailed Streamcreeper1,3101,310–1,570PAutomolus rubiginosusSharp-tailed Streamcreeper1,3101,310–1,570PAutomolus rubiginosusSharp-tailed Streamcreeper690Automolus rubiginosusSpot-throated Woodcreeper690Aenops minutusSpot-throated Woodcreeper690Certhiasomus stictoleenusSpot-throated WoodcreeperLDendrocinda fuginosaPiain-brown Woodcreeper460–1,000L-1,570PCerthiasomus griscicopillusOlivaceous Woodcreeper690Dendrocinda menulaUhite-chinned Woodcreeper690Stitasomus griscicopillusCollaed Woodcreeper690Certhiasonane Barred Woodcreeper690LStiphorhynchus scielatusCellaed Wo	Hyloctistes subulatus	Eastern Woodhaunter	850-1, <b>550</b>	L-1,550	
Philydor erufum Philydor rufumChestnut-wingel Foliage-gleanerI. U. M.	Philydor ruficaudatum	Rufous-tailed Foliage-gleaner		900	
Philydor rufinBuff-fronted Foliage-gleaner1,000–1,450750–1,450Thripadectes melanorhynchusBlack-billed Treehunter1,3101,310–1,450PAutamolus achnolaemusBuff-throated Foliage-gleaner690–1,570690–1,570690–1,570Autamolus infuscatusOlive-backed Foliage-gleanerLLAutamolus infuscatusOlive-backed Foliage-gleanerLLAutamolus rufipileatusChestnut-crowned Foliage-gleanerLLLachmis nematuraSharp-tailed Streamcreeper1,310TZenops minutusPlain XenopsL-900PZenops minutusStreaked Xenops1,570NDendroinda fulginosaSpo-throared Woodcreeper690-Dendroinda fulginosaPhin-brown WoodcreeperL-900-Dendroinda fulginosaPhin-brown WoodcreeperL-900-Dendroinda fulginosaOlivaceous WoodcreeperL-900-Dendroinda fulginosaOlivaceous WoodcreeperL-900-Dendroinda fulginosaOlivaceous Woodcreeper690–1,570PSittasomus griscicapillusOlivaceous Woodcreeper6901,570PDendroinda fulginosaBlack-banded Woodcreeper1,900–1,570PSittasomus griscicapillusOcellated Woodcreeper1,900–1,570PSittasomus griscicapilusStreaked Woodcreeper1,900–1,570PSittasomus griscicapilusBlack-banded Woodcreeper1,900–1,570PSiphorhynchus sellatusStreaked Woodcree	Philydor erythrocercum	Rufous-rumped Foliage-gleaner	1,000–1,750	1,000-1,750	Р
Trinpadectes melanorhynchusBlack-billed Treehunter1,3101,310-1,450PAutomolus ochrolaemusBuff-throated Foliage-gleaner690-1,570690-1,5704Automolus infuscatusOlive-backed Foliage-gleanerLLAutomolus rufipinosusRudy Foliage-gleanerLLAutomolus rufipinosusChestnut-crowned Foliage-gleanerLLLochmiss nementuraSharp-tailed Streamcreeper1,3101,30-1,570PZenops minutusPlain Xenops1,5701,130-1,570PCerthiasomus stictolaemusSpot-throated Woodcreeper6901,310-2,220Dendrocinda fuginosaPlain-brown WoodcreeperL-9001,310-2,220Dendrocinda fuginosaPlain-brown WoodcreeperL-9001,310-2,220Dendrocinda fuginosaOlivaceous Woodcreeper690-1,570PSittasomus griseicapillusOlivaceous Woodcreeper690-1,570PSittasomus griseicapillusOlivaceous Woodcreeper690-1,570PSittasomus griseicapillusOlivaceous Woodcreeper690-1,570PSittasomus griseicapillusOlivaceous Moodcreeper6901,500PSittasomus griseicapilusOcellated Woodcreeper6901,310750-1,570PSittasomus griseicapilusOcellated Woodcreeper6901,310750-1,570PSittasomus griseicapites sizumusBalak-banded Woodcreeper6901,310-1,570PSittasomus griseicapites sizumusBalak-banded Woodcreeper690 <td< td=""><td>Philydor erythropterum</td><td>Chestnut-winged Foliage-gleaner</td><td></td><td>L</td><td></td></td<>	Philydor erythropterum	Chestnut-winged Foliage-gleaner		L	
Automolus odroloemusBuff-throated Foliage-gleaner690–1,570690–1,570Automolus infuscatusOlive-backed Foliage-gleanerLAutomolus rufipileatusRuddy Foliage-Gleaner690Automolus rufipileatusChestmut-crowned Foliage-gleanerLLochmiss mematuraSharp-tailed Streamcreeper1,310Xenops minutusPlain XenopsL-900Zenops minutusSpot-throated Woodcreeper690Dendrocinda tyranninaTyrannine Woodcreeper690Dendrocinda tyranninaTyrannine WoodcreeperL-900Dendrocinda tyranninaTyrannine WoodcreeperL-900Dendrocinda fulginosaPlain-brown WoodcreeperL-900Dendrocinda merulaWhite-chinned WoodcreeperL-900Dendrocinda merulaOlivaceous Woodcreeper690–1,570Deconychura longicaudaLong-tailed Woodcreeper690–1,570Gyhphorynchus spirurusWedge-billed Woodcreeper690–1,570Sythocolaptes promeropintynchusStrong-billed WoodcreeperL-900Dendrociolaptes primusBlack-banded Woodcreeper1,100–1,310Zyhporhynchus cellatusOcellated Woodcreeper690Dendrociolaptes picturusBlack-banded Woodcreeper1,310–1,570Zyhporhynchus usingularisDiff-throated Woodcreeper690Dendrociolaptes picturusBlack-banded Woodcreeper690Dendrociolaptes picumnusBlack-banded Woodcreeper690Dendrociolaptes picumnusBlack-banded Woodcreeper690–1,310Xiphorhynchus suitaus	Philydor rufum	Buff-fronted Foliage-gleaner	1,000– <b>1,450</b>	750–1,450	
Automolus infuscatusOlive-backed Foliage-gleanerLAutomolus rubiginosusRuddy Foliage-Gleaner690Automolus rufipileatusChestnut-crowned Foliage-gleanerLLochmias nematuraSharp-tailed Streamcreeper1,310Xenops minutusPlain XenopsL-900Xenops rutilansStreaked Xenops1,570PCertriasornus stictolaemusSpot-throated Woodcreeper690Dendrocinda furanninaTyrannine Woodcreeper6901,310-2,220Dendrocinda furiginosaPlain-brown WoodcreeperL-9001Dendrocinda furiginosaOlivaceous WoodcreeperL-9001Dendrocinda furiginosaOlivaceous WoodcreeperL-9001Deconychura longicaudaLong-tailed Woodcreeper690-1,570PSittasomus spriecapillusOlivaceous Woodcreeper690-1,570PSiphorohynchus spirurusWedge-billed Woodcreeper690L-1,130Deconychura longicaudaLong-tailed Woodcreeper690L-1,570PSiphorohynchus spirurusBlack-banded Woodcreeper1,000-1,310750-1,570PZiphorohynchus cellatusOcellated Woodcreeper690L-690Ziphorhynchus elegansElegant Woodcreeper690L-690Ziphorhynchus elegansElegant Woodcreeper690L-690Xiphorhynchus spirutsBuf-khroated Woodcreeper690L-690Ziphorhynchus elegansElegant Woodcreeper690L-690Ziphorhync	Thripadectes melanorhynchus	Black-billed Treehunter	1,310	1,310-1,450	Р
Automolus rubiginosusRuddy Foliage-Gleaner690Automolus rufpileatusChestnut-crowned Foliage-gleanerLLochmias nematuraSharp-tailed Streamcreeper1,310Xenops minutusPlain XenopsL-900Xenops rutilansStreaked Xenops1,5701,130-1,570PCerthiasamus stictolaernusSpot-throated Woodcreeper690-Dendrocinda fyranninaTyrannine Woodcreeper1,310-2,220-Dendrocinda fuginosaPlain-brown WoodcreeperL-690-Dendrocinda fuginosaOlivaceous WoodcreeperL-690-Sittasomus griseicapillusOlivaceous Woodcreeper690-1,570L-1,130Deconychura longicaudaLong-tailed Woodcreeper690-1,570PKiphoronynchus spirurusWedge-billed Woodcreeper690-1,570PSybnoronkura longicaudaStrong-billed Woodcreeper690-1,570PKiphoronkus spirurusBlack-banded Woodcreeper690Kiphoroloptes pirunusBlack-banded Woodcreeper690Kiphoroloptes pirunusBlack-banded Woodcreeper690Kiphorhynchus acellatusOcellated Woodcreeper690Kiphorhynchus acellatusGleynet Woodcreeper690Kiphorhynchus gutatusBuff-throated Woodcreeper690Kiphorhynchus acellatusOlive-backed Woodcreeper690Kiphorhynchus acellatusGleyne Hoodcreeper690	Automolus ochrolaemus	Buff-throated Foliage-gleaner	690-1,570	690-1,570	
Automolus ur/fipileatusChestnut-crowned Foliage-gleanerLLachmias nematuraSharp-tailed Streamcreeper1,310Xenops minutusPlain XenopsL-900Xenops rutilansStreaked Xenops1,5701,130–1,570PCerthiasomus stictolaemusSpot-throated Woodcreeper6901Dendrocincla tyranninaTyrannine Woodcreeper1,310–2,2201Dendrocincla tyranninaPlain-brown WoodcreeperL-9001Dendrocincla merulaWhite-chinned WoodcreeperL-6901Dendrocincla merulaOlivaceous Woodcreeper460–1,000L-1,130Decorychura longicaudaLong-tailed Woodcreeper690–1,570PSittasomus griseicapillusOlivaceous Woodcreeper690–1,570PSiphorhynchus spirurusWedge-billed Woodcreeper690–1,570L-1,570PSiphorkynchus spirurusStrong-billed Woodcreeper690–1,570L-1,570PDendroclaptes certhiaAmazonian Barred Woodcreeper1,000–1,310750–1,570PZiphorhynchus cellatusOcellated Woodcreeper690L-690PXiphorhynchus gutatusBuft-throated Woodcreeper690L-690PXiphorhynchus gutatusBuft-throated Woodcreeper690L-690PXiphorhynchus gutatusBuft-throated Woodcreeper690L-690PXiphorhynchus gutatusBuft-throated Woodcreeper690L-690PXiphorhynchus gutatusBuft-throated Woodcreeper1,500–1,7501,310–1	Automolus infuscatus	Olive-backed Foliage-gleaner		L	
Lochmias nendturaSharp-tailed Streamcreeper1,310Xenops minutusPlain XenopsL-900Xenops rutilansStreaked Xenops1,5701,130–1,570PCerthiasomus stictolaemusSpot-throated Woodcreeper690Dendrocinda tyranninaTyrannine Woodcreeper1,310–2,220Dendrocinda tyranninaPlain-brown WoodcreeperL-900Dendrocinda merulaWhite-chinned WoodcreeperL-690Dendrocinda merulaOlivaceous Woodcreeper460–1,000L-1,130Decorychura longicaudaLong-tailed Woodcreeper690–1,570PSittasomus griseicapillusOlivaceous Woodcreeper690–1,570L-1,570PSiphorynchus spirurusWedge-billed Woodcreeper690690–850Dendroclaptes promeropirhynchusStrong-billed WoodcreeperL-900Dendroclaptes certhiaAmazonian Barred Woodcreeper1,000–1,310750–1,570PXiphorhynchus cellatusOcellated Woodcreeper690L-690Xiphorhynchus cellatusOcellated Woodcreeper690L-690Xiphorhynchus gutatusBuft-throated Woodcreeper690L-690Xiphorhynchus gutatusBuft-throated Woodcreeper690L-690Xiphorhynchus gutatusBuft-throated Woodcreeper690L-690Xiphorhynchus gutatusBuft-throated Woodcreeper1,500–1,7501,310–1,970PXiphorhynchus strongularisOlive-backed Woodcreeper900	Automolus rubiginosus	Ruddy Foliage-Gleaner		690	
Kenops minutusPlain XenopsL-900Xenops rutilansStreaked Xenops1,5701,130–1,570PCerthiasomus stictolaemusSpot-throated Woodcreeper6901,310–2,220Dendrocinda tyranninaTyrannine WoodcreeperL-9001Dendrocinda fulginosaPlain-brown WoodcreeperL-9001Dendrocinda merulaWhite-chinned WoodcreeperL-6901Sittasomus griseicapillusOlivaceous Woodcreeper690–1,5701Deconychura longicaudaLong-tailed Woodcreeper690–1,570PKiphoronhus spirurusWedge-billed Woodcreeper690690–850Dendrocolaptes promeropirhynchusStrong-billed Woodcreeper690690–850Dendrocolaptes certhiaAmazonian Barred Woodcreeper910–1,310750–1,570PXiphorohynchus ocellatusOcellated Woodcreeper690L-690PXiphorhynchus cellatusOcellated Woodcreeper690L-690PXiphorhynchus gutatusBuff-throated Woodcreeper690L-690PXiphorhynchus gutatusBuff-throated Woodcreeper690L-690PXiphorhynchus gutatusBuff-throated Woodcreeper690L-690PXiphorhynchus gutatusBuff-throated Woodcreeper690L-690PXiphorhynchus triangularisOlive-backed Woodcreeper690L-690PXiphorhynchus triangularisOlive-backed Woodcreeper690L-690PLepidocolaptes albolineatusLineated Woodcreeper <td>Automolus rufipileatus</td> <td>Chestnut-crowned Foliage-gleaner</td> <td></td> <td>L</td> <td></td>	Automolus rufipileatus	Chestnut-crowned Foliage-gleaner		L	
Xenops rutilansStreaked Xenops1,5701,130–1,570PCerthiasomus stictolaemusSpot-throated Woodcreeper690Dendrocincla tyranninaTyrannine Woodcreeper1,310–2,220Dendrocincla fulginosaPlain-brown WoodcreeperL-900Dendrocincla merulaWhite-chinned WoodcreeperL-900Deconychura longicaudaLong-tailed Woodcreeper690–1,570Deconychura longicaudaLong-tailed Woodcreeper690–1,570Glyphorynchus spirurusWedge-billed Woodcreeper690Sittasomus griseicapillusStrong-billed Woodcreeper690Dendrocolaptes promeropirtynchusStrong-billed Woodcreeper690Dendrocolaptes promeropirtynchusStrong-billed Woodcreeper690Dendrocolaptes picumnusBlack-banded Woodcreeper1,000–1,310Niphorhynchus ocellatusOcellated Woodcreeper1,000–1,310Xiphorhynchus guttatusBuff-throated Woodcreeper690L-690Xiphorhynchus guttatusBuff-throated Woodcreeper690L-690Xiphorhynchus guttatusBuff-throated Woodcreeper690L-690Xiphorhynchus triangularisOlive-backed Woodcreeper690L-690Xiphorhynchus triangularisOlive-backed Woodcreeper900–2,220Campylorhamphus trochilirostrisRed-billed Scythebill1,310–1,570P <b>TYEANNIDEE</b> Elaenia albicepsWhite-crested Elaenia690–1,310690–1,310PStrong-thebil1,310–1,570P	Lochmias nematura	Sharp-tailed Streamcreeper		1,310	
Certhiasomus stictolaemusSpot-throated Woodcreeper690Dendrocincla tyranninaTyrannine Woodcreeper1,310–2,220Dendrocincla fulginosaPlain-brown WoodcreeperL=900Dendrocincla fulginosaPlain-brown WoodcreeperL=690Sittasomus griseicapillusOlivaceous Woodcreeper460–1,000Deconychura longicaudaLong-tailed Woodcreeper690–1,570Glyphorynchus spirurusWedge-billed Woodcreeper690–1,570Jondcolaptes promeropirhynchusStrong-billed Woodcreeper690–1,570Dendrocolaptes promeropirhynchusStrong-billed Woodcreeper690–1,570Dendrocolaptes promeropirhynchusStrong-billed Woodcreeper690–1,570Dendrocolaptes promeropirhynchusStrong-billed Woodcreeper690–1,570Dendrocolaptes promeropirhynchusBlack-banded Woodcreeper900Dendrocolaptes groumusBlack-banded Woodcreeper900Dendrocolaptes groumusBlack-banded Woodcreeper900Ziphorhynchus sellatusOcellated Woodcreeper690Viphorhynchus gutatusBuff-throated Woodcreeper690L=690Xiphorhynchus gutatusBuff-throated Woodcreeper690L=690Xiphorhynchus triangularisOlive-backed Woodcreeper900–2,220Campylorhamphus trochilirostrisRed-billed Scythebill1,310–1,570P <b>TYRANNIDAETYRANNIDAEFYRANNIDAE</b> F90–1,310690–1,310Elaenia albicepsWhite-crested Elaenia <b>690–1,310</b> 690–1,310P	Xenops minutus	Plain Xenops		L-900	
Dendrocincla tyranninaTyrannine Woodcreeper1,310-2,220Dendrocincla fulginosaPlain-brown WoodcreeperL-900Dendrocincla merulaWhite-chinned WoodcreeperL-690Sittasomus griseicapillusOlivaceous Woodcreeper460-1,000L-1,130Deconychura longicaudaLong-tailed Woodcreeper690-1,570PSitphorynchus spirurusWedge-billed Woodcreeper690690-850Dendrocolaptes promeropirhynchusStrong-billed Woodcreeper690690-850Dendrocolaptes promeropirhynchusBlack-banded Woodcreeper1,000-1,310750-1,570PZiphorcolaptes picumnusBlack-banded Woodcreeper1,000-1,310750-1,570PZiphorhynchus seltatusOcellated Woodcreeper690L-690PZiphorhynchus agutatusBuff-throated Woodcreeper690L-690PZiphorhynchus gutatusBuff-throated Woodcreeper690L-690PZiphorhynchus gutatusBuff-throated Woodcreeper690L-690PZiphorhynchus gutatusBuff-throated Woodcreeper1,500-1,7501,310-1,970PLepidocolaptes albolineatusLineated Woodcreeper900-2,220PZiphorhynchus triangularisRed-billed Scythebill1,310-1,570PTYRANNIDAETyranniDAEBale-billed Scythebill1,310-1,570PElaenia albicepsWhite-crested Elaenia690-1,310690-1,310P	Xenops rutilans	Streaked Xenops	1,570	1,130–1,570	Р
Dendrocinda fulginosaPlain-brown WoodcreeperL-900Dendrocinda merulaWhite-chinned Woodcreeper460–1,000L-1,130Sittasomus griseicapillusOlivaceous Woodcreeper460–1,000L-1,130Deconychura longicaudaLong-tailed Woodcreeper690–1,570PGlyphorynchus spirurusWedge-billed Woodcreeper690690–850Dendrocolaptes promeropirhynchusStrong-billed Woodcreeper690690–850Dendrocolaptes certhiaAmazonian Barred WoodcreeperL-900LDendrocolaptes picumnusBlack-banded Woodcreeper910–1,310750–1,570PXiphorhynchus cellatusOcellated Woodcreeper690L-690PXiphorhynchus gutatusBlaght-throated Woodcreeper690L-690PXiphorhynchus gutatusBuff-throated Woodcreeper690L-690PXiphorhynchus gutatusBuff-throated Woodcreeper690L-690PXiphorhynchus gutatusBuff-throated Woodcreeper690L-690PXiphorhynchus triangularisOlive-backed Woodcreeper900–2,220PCampylorhamphus trochilirostrisRed-billed Scythebill1,310–1,570PTYRANNIDAETYRANNIDAEFFFElaenia albicepsWhite-crested Elaenia690–1,310690–1,310P	Certhiasomus stictolaemus	Spot-throated Woodcreeper		690	
Dendrocinda menulaWhite-chinned WoodcreeperL-690Sittasomus griseicapillusOlivaceous Woodcreeper460–1,000L-1,130Deconychura longicaudaLong-tailed Woodcreeper690–1,570690–1,570Glypharynchus spirurusWedge-billed Woodcreeper690690–850Dendrocolaptes promeropirhynchusStrong-billed Woodcreeper690690–850Dendrocolaptes certhiaAmazonian Barred WoodcreeperL-900LDendrocolaptes picumnusBlack-banded Woodcreeper910–1,310750–1,570PXiphorhynchus ocellatusOcellated Woodcreeper690L-690PXiphorhynchus guttatusBlafk-banded Woodcreeper690L-690PXiphorhynchus guttatusOlive-backed Woodcreeper690L-690PXiphorhynchus guttatusBuff-throated Woodcreeper690L-690PXiphorhynchus guttatusBuff-throated Woodcreeper900–2,220PZiphorhynchus triangularisOlive-backed Woodcreeper900–2,220PCampylorhamphus trochilirostrisRed-billed Scythebill1,310–1,570PTYRANNIDAETYRANNIDAEFFFElaenia albicepsWhite-crested Elaenia690–1,310690–1,310P	Dendrocincla tyrannina	Tyrannine Woodcreeper		1,310-2,220	
Sittasomus griseicapillusOlivaceous Woodcreeper460–1,000L–1,130Deconychura longicaudaLong-tailed Woodcreeper690–1,570690–1,570Glyphorynchus spirurusWedge-billed Woodcreeper690690–850Dendrocolaptes promeropirhynchusStrong-billed Woodcreeper690690–850Dendrocolaptes certhiaAmazonian Barred WoodcreeperL–9001Dendrocolaptes picumnusBlack-banded Woodcreeper910–1,310750–1,570PXiphorhynchus ocellatusOcellated Woodcreeper690L–690PXiphorhynchus elegansElegant Woodcreeper690L–690PXiphorhynchus guttatusBuff-throated Woodcreeper690L–690PXiphorhynchus guttatusBuff-throated Woodcreeper690L–690PXiphorhynchus triangularisOlive-backed Woodcreeper1,500–1,7501,310–1,970PLepidocolaptes albolineatusLineated Woodcreeper900–2,220PCampylorhamphus trochilirostrisRed-billed Scythebill1,310–1,570PTYRANNIDAETYRANNIDAEFFElaenia albicepsWhite-crested Elaenia690–1,310690–1,310P	Dendrocincla fulginosa	Plain-brown Woodcreeper		L-900	
Deconychura longicaudaLong-tailed Woodcreeper690–1,570Glyphorynchus spirurusWedge-billed Woodcreeper690–1,570L–1,570PXiphocolaptes promeropirhynchusStrong-billed Woodcreeper690690–850Dendrocolaptes certhiaAmazonian Barred WoodcreeperL–900Dendrocolaptes picurnusBlack-banded WoodcreeperL–090<	Dendrocincla merula	White-chinned Woodcreeper		L690	
Glyphorynchus spirurusWedge-billed Woodcreeper690–1,570L–1,570PXiphocolaptes promeropirhynchusStrong-billed Woodcreeper690690–850-Dendrocolaptes certhiaAmazonian Barred WoodcreeperL–900-Dendrocolaptes picumnusBlack-banded Woodcreeper910–1,310750–1,570PXiphorhynchus ocellatusOcellated Woodcreeper1,000–1,310750–1,570PXiphorhynchus guttatusBuff-throated Woodcreeper690L–690-Xiphorhynchus guttatusBuff-throated Woodcreeper690L–690PXiphorhynchus guttatusBuff-throated Woodcreeper1,500–1,7501,310–1,970PLepidocolaptes albolineatusLineated Woodcreeper1,500–1,7501,310–1,970PLepidocolaptes albolineatusLineated Woodcreeper900–2,220Campylorhamphus trochilirostrisRed-billed Scythebill1,310–1,5701,310–1,570PTYRANNIDAE Elaenia albicepsWhite-crested Elaenia690–1,310690–1,310P	Sittasomus griseicapillus	Olivaceous Woodcreeper	460-1,000	L-1,130	
Xiphoclaptes promeropirhynchusStrong-billed Woodcreeper690690–850Dendrocolaptes certhiaAmazonian Barred WoodcreeperL–900Dendrocolaptes picumnusBlack-banded Woodcreeper910–1,310Xiphorhynchus ocellatusOcellated Woodcreeper1,000–1,310Xiphorhynchus gelgansElegant Woodcreeper690L–690Xiphorhynchus guttatusBuff-throated Woodcreeper690L–690Xiphorhynchus guttatusBuff-throated Woodcreeper690L–690Xiphorhynchus triangularisOlive-backed Woodcreeper1,500–1,7501,310–1,970Viphorhynchus triangularisLineated Woodcreeper900–2,220Campylorhamphus trochilirostrisRed-billed Scythebill1,310–1,5701,310–1,570TYRANNIDAE Elaenia albicepsWhite-crested Elaenia690–1,310690–1,310P	Deconychura longicauda	Long-tailed Woodcreeper		690-1,570	
Dendrocolaptes certifieAmazonian Barred WoodcreeperL-900Dendrocolaptes picumnusBlack-banded Woodcreeper910-1,310Xiphorhynchus ocellatusOcellated Woodcreeper1,000-1,310Xiphorhynchus elegansElegant Woodcreeper690L-690Xiphorhynchus guttatusBuff-throated Woodcreeper690L-690Xiphorhynchus guttatusBuff-throated Woodcreeper690L-690Xiphorhynchus guttatusBuff-throated Woodcreeper1,500-1,7501,310-1,970Xiphorhynchus triangularisOlive-backed Woodcreeper900-2,220Campylorhamphus trochilirostrisRed-billed Scythebill1,310-1,5701,310-1,570TYRANNIDAE Elaenia albicepsWhite-crested Elaenia690-1,310690-1,310P	Glyphorynchus spirurus	Wedge-billed Woodcreeper	690- <b>1,570</b>	L-1,570	Р
Dendrocolaptes picurnnusBlack-banded Woodcreeper910-1,310Xiphorhynchus ocellatusOcellated Woodcreeper1,000-1,310750-1,570PXiphorhynchus elegansElegant Woodcreeper690L-690PXiphorhynchus guttatusBuff-throated Woodcreeper690L-690PXiphorhynchus triangularisOlive-backed Woodcreeper1,500-1,7501,310-1,970PLepidocolaptes albolineatusLineated Woodcreeper900-2,220PCampylorhamphus trochilirostrisRed-billed Scythebill1,310-1,5701,310-1,570PTYRANNIDAE Elaenia albicepsWhite-crested Elaenia690-1,310690-1,310P	Xiphocolaptes promeropirhynchus	Strong-billed Woodcreeper	690	690–850	
Xiphorhynchus ocellatusOcellated Woodcreeper1,000–1,310750–1,570PXiphorhynchus elegansElegant Woodcreeper690L-690PXiphorhynchus guttatusBuff-throated Woodcreeper690L-690Xiphorhynchus triangularisOlive-backed Woodcreeper1,500–1,7501,310–1,970PLepidocolaptes albolineatusLineated Woodcreeper900–2,220TCampylorhamphus trochilirostrisRed-billed Scythebill1,310–1,5701,310–1,570PTYRANNIDAE Elaenia albicepsWhite-crested Elaenia690–1,310690–1,310P	Dendrocolaptes certhia	Amazonian Barred Woodcreeper		L-900	
Xiphorhynchus elegansElegant Woodcreeper690L-690PXiphorhynchus guttatusBuff-throated Woodcreeper690L-690Xiphorhynchus triangularisOlive-backed Woodcreeper1,500–1,7501,310–1,970PLepidocolaptes albolineatusLineated Woodcreeper900–2,220TCampylorhamphus trochilirostrisRed-billed Scythebill1,310–1,5701,310–1,570PTYRANNIDAE Elaenia albicepsWhite-crested Elaenia690–1,310690–1,310P	Dendrocolaptes picumnus	Black-banded Woodcreeper		910-1,310	
Xiphorhynchus guttatus Buff-throated Woodcreeper 690 L-690   Xiphorhynchus triangularis Olive-backed Woodcreeper 1,500–1,750 1,310–1,970 P   Lepidocolaptes albolineatus Lineated Woodcreeper 900–2,220   Campylorhamphus trochilirostris Red-billed Scythebill 1,310–1,570 1,310–1,570 P   TYRANNIDAE Elaenia albiceps White-crested Elaenia 690–1,310 690–1,310 P	Xiphorhynchus ocellatus	Ocellated Woodcreeper	1,000-1,310	750–1,570	
Xiphorhynchus triangularisOlive-backed Woodcreeper1,500–1,7501,310–1,970PLepidocolaptes albolineatusLineated Woodcreeper900–2,220Campylorhamphus trochilirostrisRed-billed Scythebill1,310–1,5701,310–1,570PTYRANNIDAEElaenia albicepsWhite-crested Elaenia690–1,310690–1,310P		0			Р
Lepidocolaptes albolineatus     Lineated Woodcreeper     900–2,220       Campylorhamphus trochilirostris     Red-billed Scythebill     1,310–1,570     1,310–1,570     P       TYRANNIDAE     Elaenia albiceps     White-crested Elaenia     690–1,310     690–1,310     P					_
Campylorhamphus trochilirostrisRed-billed Scythebill1,310–1,5701,310–1,570PTYRANNIDAE Elaenia albicepsWhite-crested Elaenia690–1,310690–1,310P	1 / 6	I I	1,500–1,750		Р
TYRANNIDAE   Elaenia albiceps White-crested Elaenia 690–1,310 690–1,310 P					_
Elaenia albiceps White-crested Elaenia 690–1,310 690–1,310 P	Campylorhamphus trochilirostris	Red-billed Scythebill	1,310–1,570	1,310–1,570	Р
					_
Camptostoma obsoletum Southern Beardless Tyrannulet <b>690</b> 690					Р
	Camptostoma obsoletum	Southern Beardless Tyrannulet	690	690	

		Elevatio	onal range (m)	
Scientific name	English name	Present expedition	All expeditions	Evidence
Mecocerculus poecilocercus	White-tailed Tyrannulet	1,000	1,000–1,450	
Pseudotriccus pelzelni	Bronze-olive Pygmy Tyrant	1,570	1,350-2,220	Р
Corythopis torquatus	Ringed Antpipit	800	L-800	
Zimmerius viridiflavus	Peruvian Tyrannulet	1,350-2,220	1,350-2,220	P,V
Phylloscartes ventralis	Mottle-cheeked Tyrannulet	1,350-2,220	1,160-2,220	Р
Mionectes striaticollis	Streak-necked Flycatcher	<b>690</b> –2,220	690-2,220	Р
Mionectes olivaceus	Olive-striped Flycatcher	400–1,310; <b>2,220 E</b>	L-1,310; 2,220 E	Р
Mionectes oleagineus	Ochre-bellied Flycatcher	690	690–850	Р
Leptopogon amaurocephalus	Sepia-capped Flycatcher		L	
Leptopogon superciliaris	Slaty-capped Flycatcher	690-1,570	690-1,570	Р
Myiotriccus ornatus	Ornate Flycatcher	1,310-1,570	800-1,570	Р
Myiornis ecaudatus	Short-tailed Pygmy Tyrant		L-900	
Lophotriccus pileatus	Scale-crested Pygmy Tyrant	1,310– <b>1,750</b>	1,310-1,750	Р
Lophotriccus vitiosus	Double-banded Pygmy Tyrant		L	
Hemitriccus zosterops	White-eyed Tody-Tyrant	690	690-850	٧
Hemitriccus rufigularis	Buff-throated Tody-Tyrant		1,310	
Todirostrum chrysocrotaphum	Yellow-browed Tody-Flycatcher		L-690	
Rhynchocyclus olivaceus	Olivaceous Flatbill		690	
Rhynchocyclus fulvipectus	Fulvous-breasted Flatbill		1,450	
Tolmomyias assimilis	Yellow-margined Flycatcher	690	L-900	
Platyrinchus mystaceus	White-throated Spadebill	1,310-1,570	1,130-1,570	Р
Platyrinchus platyrhynchos	White-crested Spadebill		L-750	
Myiophobus flavicans	Flavescent Flycatcher		1,570	
Myiophobus roraimae	Roraiman Flycatcher	1,350	1,310-1,520	
Myiophobus fasciatus	Bran-coloured Flycatcher		1,970	
Myiobius villosus	Tawny-breasted Flycatcher	1,310– <b>1,500</b>	750-1,500	Р
Myiobius barbatus	Sulphur-rumped Flycatcher		L-690	
Terenotriccus erythrurus	Ruddy-tailed Flycatcher		L-690	
Pyrrhomyias cinnamomeus	Cinnamon Flycatcher	1,570– <b>2,220</b>	1,450-2,220	Р
Hirundinea ferruginea	Cliff Flycatcher	450	450	
Lathrotriccus euleri	Euler's Flycatcher		690-1,130	
Contopus fumigatus	Smoke-coloured Pewee	1,700	1,130-1,970	
Contopus nigrescens	Blackish Pewee	390	390	
Sayornis nigricans	Black Phoebe	400	L-550	
Knipolegus poecilurus	Rufous-tailed Tyrant	1,750-1,970	1,450-2,220	Р
Ochthornis littoralis	Drab Water Tyrant	L	L-450	
Myiotheretes fumigatus	Smoky Bush Tyrant	1,970–2,050	1,970-2,050	V
Ochthoeca pulchella	Golden-browed Chat-Tyrant	1,970–2,220	1,970–2,220	Р
Myiozetetes similis	Social Flycatcher		L-450	
Myiozetetes granadensis	Grey-capped Flycatcher		L-450	
Pitangus sulphuratus	Great Kiskadee		L-450	
Myiodynastes chrysocephalus	Golden-crowned Flycatcher	1,970	1,970	V
Myiodynastes maculatus	Streaked Flycatcher		L-900	
Tyrannus melancholicus	Tropical Kingbird		L-400	
Rhytipterna simplex	Greyish Mourner	690-1,310	L-1,310	Р
Myiarchus tuberculifer	Dusky-capped Flycatcher		1,310	
Myiarchus cephalotes	Pale-edged Flycatcher	1,570-2,220	1,310-2,220	Р
Attila spadiceus	Bright-rumped Attila		L690	
COTINGIDAE				
Pipreola riefferii	Green-and-black Fruiteater	1,350-2,220	1,310-2,220	P,V
Pipreola frontalis	Scarlet-breasted Fruiteater	1,350–1,575	1,310–1,575	Р
Pipreola chlorolepidota	Fiery-throated Fruiteater		1,450–1,500	

		Elevat	ional range (m)	
Scientific name	English name	Present expedition	All expeditions	Evidence
Rupicola peruvianus	Andean Cock-of-the-rock	690-1,575	450-1,575	Р
Snowornis subalaris	Grey-tailed Piha		1,130	
Snowornis cryptolophus	Olivaceous Piha	1,570– <b>1,750</b>	1,050-1,750	Р
Querula purpurata	Purple-throated Fruitcrow	690	L690	
Cotinga cayana	Spangled Cotinga	690	690	
Lipaugus vociferans	Screaming Piha	690-800	L-900	
PIPRIDAE				
Tyranneutes stolzmanni	Dwarf Tyrant-Manakin		L-600	
Lepidothrix coronata	Blue-crowned Manakin	690	L-1,130	Р
Lepidothrix coeruleocapilla	Cerulean-capped Manakin	1,310-1,570	750-1,570	Р
Xenopipo holochlora	Green Manakin		690-1,130	
Xenopipo unicolor	Jet Manakin	1,310-1,570	1,130-2,220	Р
Pipra pipra	White-crowned Manakin	690-1,570	L-1,570	Р
Pipra fasciicauda	Band-tailed Manakin		L690	
Pipra chloromeros	Round-tailed Manakin	690	L-1,310	Р
TITYRIDAE				
Tityra semifasciata	Masked Tityra	690	400-750	
Schiffornis turdina	Thrush-like Schiffornis	1,570	750-1,570	Р
Laniocera hypopyrra	Cinereous Mourner	,	750	
Laniisoma elegans	Shrike-like Cotinga		1,130-1,310	
Pachyramphus versicolor	Barred Becard		1,450–1,970	
Pachyramphus albogriseus	Black-and-white Becard	1,350-1,570	1,310–1,570	
Pachyramphus marginatus	Black-capped Becard	.,	750	
INCERTAE SEDIS Piprites chloris	Wing-barred Piprites	1,350– <b>1,580</b>	690–1,580	
VIREONIDAE				
Cyclarhis gujanensis	Rufous-browed Peppershrike		1,130–1,570	
Vireolanius leucotis	Slaty-capped Shrike-Vireo		690-1,310	
Vireo leucophrys	Brown-capped Vireo		2,220	
Vireo olivaceus	Red-eyed Vireo		L-900	
Hylophilus hypoxanthus	Dusky-capped Greenlet	690	L-900	
Hylophilus olivaceus	Olivaceous Greenlet		750-850	
Hylophilus ochraceiceps	Tawny-crowned Greenlet		L-900	
CORVIDAE				
Cyanocorax violaceus	Violaceous Jay		L-450	
Cyanocorax yncas	Green Jay	<b>1,350</b> –2,220	1,350–2,220	Р
HIRUNDINIDAE				
Pygochelidon cyanoleuca	Blue-and-white Swallow		L-2,220	
Atticora fasciata	White-banded Swallow	400	L-450	
TROGLODYTIDAE				
Microcerculus marginatus	Scaly-breasted Wren		L-1,130	
Microcerculus bambla	Wing-banded Wren	400	400–750	
Troglodytes aedon	House Wren		L-450	
Troglodytes solstitialis	Mountain Wren		2,220	
Henicorhina leucophrys	Grey-breasted Wood Wren	1,350-2,220	1,310-2,220	P,V
Cyphorhinus arada	Musician Wren		L690	
POLIOPTILIDAE Microbates cinereiventris	Tawny-faced Gnatwren		690–900	
TURDIDAE				
Catharus dryas	Spotted Nightingale-Thrush	1,310-1,570	1,310-1,570	P,V
, Catharus usulatus	Swainson's Thrush		750-1,500	

		Elevatio	nal range (m)	
Scientific name	English name	Present expedition	All expeditions	Evidence
Entomodestes leucotis	White-eared Solitaire	1,350-2,220	900-2,220	Р
Cichlopsis leucogenys	Rufous-brown Solitaire	690-1,575	690-1,575	Р
Turdus leucops	Pale-eyed Thrush		900-1,310	
Turdus lawrencii	Lawrence's Thrush	460	460	
Turdus nigriceps	Andean Slaty Thrush	1,310	900-1,310	Р
Turdus serranus	Glossy-black Thrush	1,310-2,220	900-2,220	Р
Turdus albicollis	White-necked Thrush	690	L-690	Р
THRAUPIDAE				
Paroaria gularis	Red-capped Cardinal		L-450	
Cissopis leveriana	Magpie Tanager		L-450	
Hemispingus frontalis	Oleaginous Hemispingus	1,970	1,310-2,220	Р
Trichothraupis melanops	Black-goggled Tanager	<b>1,000</b> –1,570	1,000-1,570	Р
Tachyphonus rufiventer	Yellow-crested Tanager		L-1,130	
Tachyphonus surinamus	Fulvous-crested Tanager	690	L-690	
Lanio versicolor	White-winged Shrike-Tanager	1,000	690-1,000	
Ramphocelus carbo	Silver-beaked Tanager		L-500	
Thraupis episcopus	Blue-grey Tanager		L-450	
Thraupis palmarum	Palm Tanager		L-1,450	
Calochaetes coccineus	Vermillion Tanager	1,350-1,570	1,130-1,570	
Anisognathus somptuosus	Blue-winged Mountain Tanager	1,350-2,220	1,310-2,220	Р
Iridosornis analis	Yellow-throated Tanager	I,000-2,220	1,000-2,220	Р
Chlorochrysa calliparaea	Orange-eared Tanager	<b>900</b> –1,570	900-1,570	
Tangara ruficervix	Golden-naped Tanager		1,450	
Tangara viridicollis	Silver-backed Tanager	1,350	1,310-2,220	
Tangara phillipsii	Sira Tanager	1,310– <b>2,220</b>	1,300-2,220	P,V
Tangara nigrocincta	Masked Tanager	1,000	750-1,130	
Tangara cyanicollis	Blue-necked Tanager	1,100– <b>1,570</b>	L(?)-1,570	
Tangara vassorii	Blue-and-black Tanager	2,220	1,970-2,220	
Tangara nigroviridis	Beryl-spangled Tanager	1,570-2,220	1,130-2,220	Р
Tangara cyanotis	Blue-browed Tanager	1,570-1,750	1,310-1,750	
Tangara mexicana	Turquoise Tanager		750	
Tangara chilensis	Paradise Tanager	400- <b>1,350</b>	L-1,350	
Tangara velia	Opal-rumped Tanager		750	
Tangara gyrola	Bay-headed Tanager	460-1,350	L-1,500	
Tangara xanthocephala	Saffron-crowned Tanager	1,570– <b>2,220</b>	1,310-2,220	Р
Tangara parzudakii	Flame-faced Tanager		2,220	
Tangara schrankii	Green-and-gold Tanager	460-1,030	L-1,130	
Tangara arthus	Golden Tanager	<b>1,000</b> –1,570	1,000-1,570	
Dacnis lineata	Black-faced Dacnis	460- <b>1,350</b>	L-1,350	
Dacnis cayana	Blue Dacnis	690- <b>1,570</b>	L-1,570	
Cyanerpes caeruleus	Purple Honeycreeper		L-1,970	
Chlorophanes spiza	Green Honeycreeper	1,350	L-1,350	
Iridophanes pulcherrimus	Golden-collared Honeycreeper		1,450	
Hemithraupis flavicollis	Yellow-backed Tanager	900	750-1,100	
Conirostrum albifrons	Capped Conebill		2,220	
Diglossa glauca	Golden-eyed Flowerpiercer	1,970-2,220	1,130-2,220	Р
Diglossa caerulescens	Bluish Flowerpiercer	1,570-2,220	1,310-2,220	Р
Haplospiza rustica	Slaty Finch		1,970-2,220	
Parkerthraustes humeralis	Yellow-shouldered Grosbeak	750	750	
INCERTAE SEDIS				
Saltator grossus	Slate-coloured Grosbeak	690	L-900	
Saltator maximus	Buff-throated Saltator	1,020– <b>1,570</b>	750-1,570	P,V

		Elevatio	nal range (m)	
Scientific name	English name	Present expedition	All expeditions	Evidence
Saltator coerulescens	Greyish Saltator		540	
EMBERIZIDAE				
Arremon brunneinucha	Chestnut-capped Brush Finch	1,310– <b>1,750</b>	950-1,750	Р
Atlapetes tricolor	Tricoloured Brush Finch	I,970–2,220	1,970-2,220	Р
Chlorospingus ophthalmicus	Common Bush Tanager	1,500-2,220	1,500-2,220	P,V
Chlorospingus flavigularis	Yellow-throated Bush Tanager	1,000-1,570	900-1,570	
CARDINALIDAE				
Piranga flava	Hepatic Tanager	2,220	2,220	Р
Piranga rubra	Summer Tanager		1,450	
Piranga olivacea	Scarlet Tanager		1,450	
Piranga leucoptera	White-winged Tanager	1,350-1,500	1,310-1,570	
Habia rubica	Red-crowned Ant Tanager	L-900	L -900	
Chlorothraupis carmioli	Carmiol's Tanager	400-1,310	400-1,310	Р
Cyanocompsa cyanoides	Blue-black Grosbeak		L-900	
PARULIDAE				
Parula pitiayumi	Tropical Parula	1,310-1,570	900-1,570	V
Dendroica fusca	Blackburnian Warbler		1,400-1,500	
Wilsonia canadensis	Canada Warbler		1,450-1,500	
Myioborus miniatus	Slate-throated Whitestart	1,000-1,970	900-2,175	Р
Basileuterus chrysogaster	Golden-bellied Warbler		750–900	
Basileuterus coronatus	Russet-crowned Warbler	1,310-2,220	1,310-2,220	Р
Basileuterus tristriatus	Three-striped Warbler	1,310– <b>1,750</b>	900-1,750	Р
Phaeothlypis fulvicauda	Buff-rumped Warbler		690	
ICTERIDAE				
Psarocolius angustifrons	Russet-backed Oropendola		L-500	
Psarocolius decumanus	Crested Oropendola		L-450	
Clypicterus oseryi	Casqued Oropendola	460	460	V
Cacicus cela	Yellow-rumped Cacique		L-750	
Cacicus uropygialis	Scarlet-rumped Cacique	1,970	1,970	
lcterus croconotus	Orange-backed Troupial		L-500	
lcterus cayanensis	Epaulet Oriole		750	
Molothrus oryzivorus	Giant Cowbird		L-450	
FRINGILLIDAE				
Euphonia Ianiirostris	Thick-billed Euphonia		L-750	
Euphonia chrysopasta	White-lored Euphonia		900	
Euphonia mesochrysa	Bronze-green Euphonia		900-1,130	
Euphonia xanthogaster	Orange-bellied Euphonia	690-1,970	690-2,220	Р
Euphonia rufiventris	Rufous-bellied Euphonia		L-900	
Chlorophonia cyanea	Blue-naped Clorophonia	<b>690</b> –1,350	690-1,450	