



## Serranía de las Quinchas: establishment of a first protected area in the Magdalena Valley of Colombia

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Received 14 February 2005; final revision accepted 21 July 2005

Cotinga 25 (2006): 24–32

En la actualidad, la Serranía de las Quinchas alberga el mayor fragmento de bosque húmedo presente en el valle del río Magdalena en Colombia, refugio para numerosas especies endémicas y amenazadas como el Paujil de Pico Azul *Crax alberti*. En 2003, la compañía dueña de gran parte de los terrenos en la Serranía se derrumbó financieramente, por lo cual propuso subastar sus tierras, resultado que seguramente hubiese desembocado en una masiva deforestación. La Fundación ProAves, preocupada y alarmada por los posibles resultados de la venta de tierras a colonos, inició una urgente y a la vez fuerte campaña con el fin de comprar estas tierras y establecer así una reserva natural para la conservación de toda la biota amenazada en esta zona del país. Dicha reserva natural finalmente se denominó Reserva Natural El Paujil. Este artículo hace énfasis sobre la importancia de conservación al nivel mundial de la Serranía de las Quinchas así como también discute pasados y futuros procesos de conservación para esta importante región. Adicionalmente incluye una lista actualizada de las especies de aves presente en la Serranía.

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Serranía de las Quinchas holds the largest remnant block of humid forest in the Magdalena Valley. It is a unique refuge for many threatened and endemic species including the Critically Endangered Blue-billed Curassow *Crax alberti*. The massif forms part of the west flank of Colombia's East Andes and includes a variety of ecosystems, from humid lowland forest to lower montane cloud forest. It rises from 150 m to over 1,800 m elevation.

Colombia's humid Magdalena Valley forests formerly constituted one of the world's richest lowland biotas, continuous with the Chocó region. However, the río Magdalena and its valley have been a principal communications route between major urban centres in Colombia's East and Central Andes, including the capital Bogotá and the Caribbean coast. Although much of the Magdalena Valley had been converted to agriculture as early as the 18th century, the humid middle section (between c.5° and 7°N) remained heavily forested until relatively recently. In the 1960s and 1970s, the Colombian government supported an internationally financed colonisation and infrastructure programme that resulted in the elimination of nearly four million ha of humid lowland forest<sup>1</sup>. Today, the Magdalena Valley is almost completely deforested and intensively farmed. Indeed, by the time Colombia's National Protected Areas network was being established in the 1970s, no suitable forest wilderness could be found for a National Park in the Magdalena Valley or adjoining subtropical Andean slopes. This was reflected in Conservation International's Global

Gap Analysis<sup>3</sup>, and highlighted at the World Parks Congress in South Africa in 2003.

Surveys in the 1990s by researchers from Colombia's Universidad Nacional led by F. Gary Stiles revealed Serranía de las Quinchas' subtropical forests to be 'essentially the only well-preserved cloud forest and the largest block of lowland wet forest in the region' and 'an important area for further study and a strong candidate for protective measures'<sup>4</sup>. AQ first surveyed the lowland fauna of Serranía de las Quinchas in late November 2003, finding six Critically Endangered species, four Endangered species and nine Vulnerable species, including nesting Blue-billed Curassow, Variegated Spider-monkey *Ateles hybridus*, tracks of Magdalena Tapir *Tapirus terrestris columbianus*, *Crocodylus acutus*, the Magdalena Bocachico fish *Prochilodus magdalanae* and Red-footed Tortoise *Geochelone carbonaria*.

AQ also learned that the company then owning much of the lowland and foothill forests of Serranía de las Quinchas had recently gone into liquidation and was engaged in a distress sale of its 848-ha stake. Satellite maps revealed this forest fragment to constitute a strategic buffer to a 3,000-ha forest wilderness. If this sale had proceeded, it would doubtless have led to colonists, farmers and coca growers purchasing the land, and to the eventual felling of its forests. A 30-day suspension on the land auction was negotiated and we immediately began to seek international funding to purchase and protect this unique forest.

During a hectic month, an emergency conservation proposal was circulated and funding secured with the assistance of American Bird Conservancy. The many organisations and people who generously assisted include Conservation International's Global Conservation Fund, the American Bird Conservancy and the Neotropical Bird Club. Soon after, Fundación ProAves secured title to the properties involved and a new protected area was established in early 2004. The new reserve has been named Reserva Natural el Paujil, after the local name for Blue-billed Curassow.

Importantly, it appears that Serranía de las Quinchas could comprise an important population stronghold of Blue-billed Curassow *Crax alberti*, given the lack of true protection of this Critically Endangered species elsewhere. Although there are populations in several reserves, including national parks (Paramillo and perhaps Sierra Nevada de Santa Marta and Tayrona), a fauna and flora sanctuary (Los Colorados), and other reserves (e.g. Bajo Cauca-Nechi, Cañon del Río Alicante, and Los Besotes)<sup>1</sup>, such populations are subject to differing levels of illegal hunting and many are difficult regions in which to develop conservation projects due to Colombia's armed civil conflict. El Paujil bird reserve is important in being a location in which this species can be seen regularly and in safety. Several nests of the species were found during January and May 2004. A young bird whose parents were shot shortly prior to our work commencing in earnest was taken into care before being released and is frequently seen in and around the reserve centre.

Other threatened bird species present within the reserve include White-mantled Barbet *Capito hypoleucus* and Antioquia Bristle-tyrant *Phylloscartes lanyoni* (both Endangered), Turquoise Dacnis *Dacnis hartlaubi* and Saffron-headed Parrot *Pionopsitta pyrilia*, as well as Colombian endemics such as Sooty Ant-tanager *Habia gutturalis* (all Vulnerable). Comprehensive ornithological surveys in the region are not yet complete, although over 350 bird species have been recorded by Fundación ProAves researchers and others<sup>4,5</sup> in the region to date (see Appendix). The global importance of the new reserve has already been recognised through the declaration of El Paujil as an Important Bird Area and an 'Alliance for Zero Extinction' site.

El Paujil reserve is strategically located, being just five hours via road from both Bogotá and Medellín. Seven researchers and a full-time forest guard now monitor and protect the forest; it is hoped that visiting researchers, volunteer conservationists and birdwatchers can sustain conservation activities and bring further benefit to the local community. A reserve headquarters with excellent facilities has been established and the main road to

the reserve centre improved. Already, Colombia's first certified course for bird ringing, a joint initiative between Fundación ProAves, Conservation International, the US Fish & Wildlife Service and Fondo para Acción Ambiental, has taken place in the reserve, and a project to study Blue-billed Curassow here won the BP Conservation Award's Silver Award. A community education programme has also been initiated, in which local students have been encouraged to visit the reserve. The local school has even changed its name to El Paujil as a result!

Researchers, birders, visitors and volunteer conservationists are welcomed, and can contact Fundación ProAves at [fundacion@proaves.org](mailto:fundacion@proaves.org) to organise a visit. Further information about El Paujil reserve can be found at [www.proaves.org/paujil](http://www.proaves.org/paujil).

Although this beginning has been a great success, much conservation work remains to be done in Serranía de las Quinchas. We are acutely aware that to adequately protect minimum viable populations of the Blue-billed Curassow and other threatened and endemic species, we must protect much more than 848 ha. Fundación ProAves and its partners intend El Paujil reserve to become the core of a much larger reserve following further land acquisitions. We are seeking further funding with a view to purchasing of up to 5,000 ha of additional forest adjoining the new reserve and would encourage anyone who knows of potential donors to contact us.

#### Acknowledgements

On behalf of Fundación ProAves, we thank the Neotropical Bird Club and all of the other donors who generously helped at such short notice to support the establishment of El Paujil Bird Reserve. We particularly thank the American Bird Conservancy (especially George Wallace and Mike Parr) and Conservation International–Global Conservation Fund (with thanks to John Pilgrim and Scott Dresser). Other generous donors included Aves Société d'Études Ornithologiques (with thanks to Marc Ameels), Carl Downing, Huju Mikko Kristian, Arthur Grosset and Andrew Conway. Eliana Machado, Luis Gabriel Mosquera, Luis Eduardo Urueña and Hernan Dario Arias are among those whose work contributed to the checklist. Roberto Jaramillo produced the maps of the reserve featured here.

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## Appendix

Bird species recorded in Serranía de las Quinchas by ProAves researchers in and around El Paujil reserve (below 600 m), and by Stiles & Bohórquez<sup>2</sup> largely at higher elevations in the Serranía de las Quinchas (to 1,500 m). Taxonomy and nomenclature follow those of the American Ornithologists' Union South American Checklist Committee<sup>3</sup>.

Reserva Natural el Paujil and Serranía de las Quinchas bird list 2003–04

Evidence: S = specimen, P = photo, R = sound-recording, O = field observations

Family	Common name	Species	ProAves (below 600 m)	Evidence	Stiles & Bohórquez (to 1,500 m)
TINAMIDAE	Great Tinamou	<i>Tinamus major</i>	x	R,O	x
	Little Tinamou	<i>Crypturellus soui</i>	x	R,O	x
ANHIMIDAE	Northern Screamer	<i>Chauna chavaria</i>	x	O	
ANATIDAE	Black-bellied Whistling-duck	<i>Dendrocygna autumnalis</i>	x	O	
	Fulvous Whistling-duck	<i>Dendrocygna bicolor</i>	x	O	
CRACIDAE	Speckled Chachalaca	<i>Ortalis guttata colombiana</i>	x	P,O,R	
	Crested Guan	<i>Penelope purpurascens</i>	x	O	
	Wattled Guan	<i>Aburria aburri</i>	x	O	
	Blue-billed Curassow	<i>Crax alberti</i>	x	P,O,R	
ODONTHOPHORIDAE	Crested Bobwhite	<i>Colinus cristatus</i>	x	O	
	Marbled Wood-quail	<i>Odonthophorus gujanensis</i>	x	P,O,R	
ARDEIDAE	Rufescent Tiger-heron	<i>Tigriusoma lineatum</i>	x	O	x
	Boat-billed Heron	<i>Cochlearius cochlearia</i>	x	O	
	Yellow-crowned Night-heron	<i>Nyctanassa violacea</i>	x	O	
	Striated Heron	<i>Butorides striatus</i>	x	O	x
	Cattle Egret	<i>Bubulcus ibis</i>	x	O	x
	Cocoi Heron	<i>Ardea cocoi</i>	x	O	
	Great Egret	<i>Ardea alba</i>	x	O	
	Capped Heron	<i>Ptilerodias pileatus</i>	x	O	x
	Snowy Egret	<i>Egretta thula</i>	x	O	
	Bare-faced Ibis	<i>Phimosus infuscatus</i>	x	O	
	THRESKIORNITHIDAE	Black Vulture	<i>Coragyps atratus</i>	x	O
Turkey Vulture		<i>Cathartes aura</i>	x	O	x
King Vulture		<i>Sarcoramphus papa</i>	x	O	x
PANDIONIDAE	Osprey	<i>Pandion haliaetus</i>	x	O	
	Swallow-tailed Kite	<i>Elanoides forficatus</i>	x	O	x
ACCIPITRIDAE	Pearl Kite	<i>Gampsonyx swainsonii</i>			x
	White-tailed Kite	<i>Elanus leucurus</i>	x	O	
	Plumbeous Kite	<i>Ictinia plumbea</i>	x	P,O	x
	Barred Hawk	<i>Leucopternis princeps</i>			x
	White Hawk	<i>Leucopternis albicollis</i>			x
	Grey-lined Hawk	<i>Asturina nitida</i>			x
	Savanna Hawk	<i>Buteogallus meridionalis</i>	x	O	

	Roadside Hawk	<i>Buteo magnirostris</i>	x	P,O,R	x
	Broad-winged Hawk	<i>Buteo platypterus</i>	x	O	
	Short-tailed Hawk	<i>Buteo brachyurus</i>	x	O	
	Swainson's Hawk	<i>Buteo swainsonii</i>	x	O	
	White-tailed Hawk	<i>Buteo albicaudatus</i>	x	O	x
<b>FALCONIDAE</b>	Black Hawk-eagle	<i>Spizaetus tyrannus</i>	x	O	x
	Red-throated Caracara	<i>Ibeyer americanus</i>	x	O,R	
	Southern Caracara	<i>Caracara plancus</i>	x	O	x
	Yellow-headed Caracara	<i>Milvago chimachima</i>	x	O,R	x
	Laughing Falcon	<i>Herpetheres cachinnans</i>	x	O,R	x
	Barred Forest-falcon	<i>Micrastur ruficollis</i>			x
	American Kestrel	<i>Falco sparverius</i>	x	O	x
	Aplomado Falcon	<i>Falco femoralis</i>	x	O	
	Bat Falcon	<i>Falco rufigularis</i>			x
<b>ARAMIDAE</b>	Limpkin	<i>Aramus guaranauna</i>	x	O	x
<b>RALLIDAE</b>	Grey-necked Wood-rail	<i>Aramides cajanea</i>	x	O,R	x
	Russet-crowned Crane	<i>Anulimnas virdis</i>	x	P,O,R	
	White-throated Crane	<i>Laterallus albigularis</i>	x	O,R	
<b>EURYPYGIDAE</b>	Sunbittern	<i>Eurypyga helias</i>	x	O	
<b>CHARADRIIDAE</b>	Collared Plover	<i>Charadrius collaris</i>	x	O	
	Southern Lapwing	<i>Vanellus chilensis</i>	x	O	x
<b>SCOLOPACIDAE</b>	Lesser Yellowlegs	<i>Tringa flavipes</i>	x	O	
	Solitary Sandpiper	<i>Tringa solitaria</i>	x	O	x
	Spotted Sandpiper	<i>Actitis macularius</i>	x	O	x
<b>JACANIDAE</b>	Wattled Jacana	<i>Jacana jacana</i>	x	O	
<b>COLUMBIDAE</b>	Common Ground-dove	<i>Columbina passerina</i>	x	P,O	x
	Ruddy Ground-Dove	<i>Columbina talpacoti</i>	x	P,O,R	x
	Blue Ground-dove	<i>Claravis pretiosa</i>	x	P,O	x
	Scaled Pigeon	<i>Patagioenas speciosa</i>	x	O	
	Pale-vented Pigeon	<i>Patagioenas cayannensis</i>	x	P,O	x
	Plumbeous Pigeon	<i>Patagioenas plumbea</i>	x	O	x
	Ruddy Pigeon	<i>Patagioenas subvinacea</i>	x	O	x
	Eared Dove	<i>Zenaida auriculata</i>	x	O	x
	White-tipped Dove	<i>Leptotila verreauxi</i>	x	P,O	x
	Grey-chested Dove	<i>Leptotila cassini</i>	x	O	x
	Ruddy Quail-dove	<i>Geotrygon montana</i>	x	P,O	x
<b>PSITTACIDAE</b>	Blue-and-yellow Macaw	<i>Ara ararauna</i>	x	O	
	Chestnut-fronted Macaw	<i>Ara severus</i>	x	O	
	Spectacled Parrotlet	<i>Forpus conspicillatus</i>	x	O,P	x
	Orange-chinned Parakeet	<i>Botrogenis jugularis</i>	x	O,P	x
	Saffron-headed Parrot	<i>Pionopsitta pyrrhila</i>	x	P,O,R	x
	Blue-headed Parrot	<i>Pionus menstruus</i>	x	O,R	x
	Red-lore Parrot	<i>Amazona autumnalis</i>	x	O,R	
	Yellow-crowned Parrot	<i>Amazona ochrocephala</i>	x	O,R	
<b>CUCULIDAE</b>	Orange-winged Parrot	<i>Amazona amazonica</i>	x	O	
	Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	x	O	x
	Squirrel Cuckoo	<i>Piaya cayana</i>	x	O	x
	Little Cuckoo	<i>Piaya minuta</i>	x	O	x
	Greater Ani	<i>Crotophaga major</i>	x	O,R	x
	Smooth-billed Ani	<i>Crotophaga ani</i>	x	P,O,R	
<b>STRIGIDAE</b>	Striped Cuckoo	<i>Tapera naevia</i>	x	O,R	x
	Crested Owl	<i>Lophostrix cristata</i>	x	O,R	x
	Spectacled Owl	<i>Pulsatrix perspicillata</i>	x	O,R	
	Tropical Screech-owl	<i>Megascops choliba</i>	x	O,R	x
	Mottled Owl	<i>Ciccaba virgata</i>	x	O,R	x
	Black-and-white Owl	<i>Ciccaba nigrolineata</i>			x
<b>NYCTIBIIDAE</b>	Common Potoo	<i>Nyctibius griseus</i>	x	O,R	x
<b>CAPRIMULGIDAE</b>	Short-tailed Nighthawk	<i>Lurocalis semitorquatus</i>			x
	Lesser Nighthawk	<i>Chordeiles acutipennis</i>	x	O	
	Pauraque	<i>Nyctiodromus albicollis</i>	x	P,O,R	x
<b>APODIDAE</b>	Chestnut-collared Swift	<i>Streptoprocne rutila</i>	x	O	x
	White-collared Swift	<i>Streptoprocne zonaris</i>	x	O	x
	Band-rumped Swift	<i>Chaetura spinicaudus</i>	x	O	x
	Short-tailed Swift	<i>Chaetura brachyura</i>	x	O	x
<b>TROCHILIDAE</b>	White-tipped Sicklebill	<i>Eutoxeres aquila</i>	x	P,O	x
	Rufous-breasted Hermit	<i>Glaucis hirsutus</i>	x	P,O	x
	Band-tailed Barbthroat	<i>Threnetes ruckeri</i>	x	P,O	x
	Stripe-throated Hermit	<i>Phaethornis striigularis</i>	x	P,O	x
	Pale-bellied Hermit	<i>Phaethornis anthophilus</i>	x	P,O	x

	Green Hermit	<i>Phaethornis guy</i>			x
	Western Long-tailed Hermit	<i>Phaethornis longirostris</i>	x	P,O	
	Green-fronted Lancebill	<i>Doryfera ludovicae</i>			x
	White-necked Jacobin	<i>Florisuga mellivora</i>	x	P,O	x
	Brown Violet-ear	<i>Colibri delphinae</i>			x
	Green Violet-ear	<i>Colibri thalassinus</i>			x
	Black-throated Mango	<i>Anthracothorax nigricollis</i>	x	P,O	x
	Ruby-topaz Hummingbird	<i>Chrysalamys mosquitus</i>	x	P,O	
	Violet-headed Hummingbird	<i>Klais guimeti</i>			x
	Green Thorntail	<i>Popelaria conversii</i>			x
	Red-billed Emerald	<i>Chlorostilbon gibsoni</i>			x
	Blue-tailed Emerald	<i>Chlorostilbon mellisugus</i>	x	P,O	
	Violet-crowned Woodnymph	<i>Thalurania colombica</i>			x
	Violet-bellied Hummingbird	<i>Damophila julie</i>	x	P,O	x
	Shining-green Hummingbird	<i>Lepidopyga goudoti</i>			x
	Rufous-tailed Hummingbird	<i>Amazilia tzacatl</i>	x	P,O	x
	Andean Emerald	<i>Amazilia franciae</i>			x
	Blue-chested Hummingbird	<i>Amazilia amabilis</i>	x	P,O	x
	Indigo-capped Hummingbird	<i>Amazilia cyanifrons</i>			x
	White-vented Plumeleteer	<i>Chalybura buffonii</i>	x	P,O	x
	Green-crowned Brilliant	<i>Heliodoxa jacula</i>			x
	Purple-crowned Fairy	<i>Heliothryx barroti</i>	x	O	x
	Long-billed Starthroat	<i>Helioaster longirostris</i>	x	P,O	x
	Gorgeted Woodstar	<i>Chatocercus heliodor</i>			x
<b>TROGONIDAE</b>	Violaceous Trogon	<i>Trogon violaceus</i>	x	P,O,R	x
	Black-tailed Trogon	<i>Trogon melanurus</i>	x	O,R	
<b>ALCEDINIDAE</b>	Ringed Kingfisher	<i>Megaceryle torquata</i>	x	O	x
	Amazon Kingfisher	<i>Chloroceryle amazona</i>	x	P,O	
	Green Kingfisher	<i>Chloroceryle americana</i>	x	P,O	x
	American Pygmy Kingfisher	<i>Chloroceryle aenea</i>	x	P,O	x
<b>MOMOTIDAE</b>	Broad-billed Motmot	<i>Electron platyrhynchum</i>	x	O,R	x
	Rufous Motmot	<i>Baryphthengus martii</i>	x	P,O,R	x
<b>GALBULIDAE</b>	Rufous-tailed Jacamar	<i>Galbula ruficauda</i>	x	P,O,R	x
	Great Jacamar	<i>Jacamerops aureus</i>	x	O	
<b>BUCCONIDAE</b>	Black-breasted Puffbird	<i>Notharchus pectoralis</i>	x	O	
	Pied Puffbird	<i>Notharchus tectus</i>	x	O	
	Barred Puffbird	<i>Nystalus radiatus</i>	x	P,O	
	Russet-throated Puffbird	<i>Hypnelus ruficollis</i>	x	O	
	White-whiskered Puffbird	<i>Malacoptila panamensis</i>	x	P,O	x
	White-fronted Nunbird	<i>Monasa morphoeus</i>	x	O,R	x
<b>CAPITONIDAE</b>	White-mantled Barbet	<i>Capito hypoleucus</i>	x	O,R	x
<b>RAMPHASTIDAE</b>	Collared Aracari	<i>Pteroglossus torquatus</i>	x	P,O	x
	Channel-billed Toucan	<i>Ramphastos vitellinus citreolaemus</i>	x	P,O	
	Black-mandibled Toucan	<i>Ramphastos ambiguus swansonii</i>	x	O,R	x
<b>PICIDAE</b>	Olivaceous Piculet	<i>Picumnus olivaceus</i>	x	P,O	x
	Beautiful Woodpecker	<i>Melanerpes pulcher</i>	x	P,O	x
	Red-crowned Woodpecker	<i>Melanerpes rubricapillus</i>	x	P,O	x
	Red-rumped Woodpecker	<i>Veniliornis kirkii</i>	x	P,O	x
	Spot-breasted Woodpecker	<i>Colaptes punctigula</i>	x	P,O	x
	Cinnamon Woodpecker	<i>Celeus loricatus</i>	x	P,O	x
	Lineated Woodpecker	<i>Dryocopus lineatus</i>	x	O	x
	Crimson-crested Woodpecker	<i>Campēphilus melanoleucos</i>	x	O	x
<b>FURNARIIDAE</b>	Pale-breasted Spinetail	<i>Synallaxis albescens</i>	x	O	x
	Ruddy Foliage-gleaner	<i>Automolus rubiginosus</i>	x	O	x
	Buff-throated Foliage-gleaner	<i>Automolus ochrolaemus</i>	x	P,O	
	Tawny-throated Leafscraper	<i>Sclerurus mexicanus</i>	x	P,	
	Plain Xenops	<i>Xenops minutus</i>	x	P,O	x
	Plain-brown Woodcreeper	<i>Dendrocincia fuliginosa</i>	x	P,O	x
	Wedge-billed Woodcreeper	<i>Glyphorhynchus spirurus</i>	x	P,O	x
	Strong-billed Woodcreeper	<i>Xiphocolaptes prumeropirhynchus</i>	x	P,O	x
	Straight-billed Woodcreeper	<i>Xiphorhynchus picus</i>	x	P,O	x
	Black-striped Woodcreeper	<i>Xiphorhynchus lachrymosus</i>	x	P,O	x
	Streak-headed Woodcreeper	<i>Lepidocolaptes souleyetii</i>	x	P,O	x
<b>THAMNOPHILIDAE</b>	Great Antshrike	<i>Taraba major</i>	x	P,O,R	
	Black-crested Antshrike	<i>Sakesphorus canadensis</i>	x	O	
	Barred Antshrike	<i>Thamnophilus doliatus</i>	x	O	x
	Western Slaty-antshrike	<i>Thamnophilus atrinucha</i>	x	O	
	Checker-throated Antwren	<i>Myrmotherula fulviventris</i>	x	P,O	x
	White-flanked Antwren	<i>Myrmotherula axillaris</i>	x	O	



	White-fringed Antwren	<i>Formicivora grisea</i>	x	P,O,R	x
	Bare-crowned Antbird	<i>Gymnocichla nudiceps</i>	x	P,O,R	
	Chestnut-backed Antbird	<i>Myrmeciza exsul</i>	x	P,O,R	x
	Dull-mantled Antbird	<i>Myrmeciza laemosticta</i>	x	P,O,R	x
	Bicoloured Antbird	<i>Gymnophithys leucaspis</i>	x	P,O,R	
<b>FORMICARIIDAE</b>	Black-faced Antthrush	<i>Formicarius analis</i>	x	P,O,R	x
	Streak-cheeked Antpitta	<i>Hylapezes perspicillatus</i>	x	P,O	
<b>TYRANNIDAE</b>	Sooty-headed Tyrannulet	<i>Phyllomyias griseiceps</i>			x
	Yellow-crowned Tyrannulet	<i>Tyrannulus elatus</i>	x	P,O	x
	Greenish Elaenia	<i>Myiopagis vindicata</i>			x
	Yellow-bellied Elaenia	<i>Elaenia flavogaster</i>	x	P,O,R	x
	Lesser Elaenia	<i>Elaenia chiriquensis</i>			x
	Southern Beardless Tyrannulet	<i>Camptostoma obsoletum</i>			x
	Mouse-coloured Tyrannulet	<i>Phaeomyias murina</i>	x	P,O	
	Yellow Tyrannulet	<i>Capsiempis flaveolus</i>			x
	Tawny-crowned Pygmy-tyrant	<i>Euscarthmus melaryphus</i>	x	P,O	
	Golden-faced Tyrannulet	<i>Zimmerius chrysops</i>	x	P,O	x
	Antioquia Bristle-tyrant	<i>Phylloscartes lanyoni</i>	x	P,O	
	Olive-striped Flycatcher	<i>Mionectes olivaceus</i>			x
	Ochre-bellied Flycatcher	<i>Mionectes oleagineus</i>	x	P,O	x
	Slaty-capped Flycatcher	<i>Leptopogon superciliosus</i>	x	P,O	x
	Black-capped Pygmy-tyrant	<i>Myiornis atricapillus</i>			x
	Southern Bentbill	<i>Oncostoma olivaceum</i>	x	P,O	x
	Scale-crested Pygmy-tyrant	<i>Lophotriccus pileatus</i>			x
	Slate-headed Tody-flycatcher	<i>Poecilatriccus sylvia</i>	x	P,O,R	x
	Common Tody-flycatcher	<i>Todirostrum cinereum</i>	x	P,O,R	x
	Black-headed Tody-flycatcher	<i>Todirostrum nigriceps</i>	x	O	x
	Olivaceous Flatbill	<i>Rhynchocyclus olivaceus</i>	x	P,O	x
	Fulvous-breasted Flatbill	<i>Rhynchocyclus fulvipectus</i>			X
	Yellow-olive Flycatcher	<i>Talmomyias sulphurescens</i>	x	P,O	
	Yellow-margined Flycatcher	<i>Talmomyias assimilis</i>			x
	White-throated Spadebill	<i>Platyrinchus mystaceus</i>			x
	Bran-coloured Flycatcher	<i>Myiophobus fasciatus</i>			x
	Black-tailed Flycatcher	<i>Myiobius atricaudus</i>	x	P,O	x
	Acadian Flycatcher	<i>Empidonax virescens</i>	x	P,O	x
	Alder Flycatcher	<i>Empidonax alnorum</i>			x
	Olive-sided Flycatcher	<i>Contopus cooperi</i>			x
	Eastern Wood Pewee	<i>Contopus virens</i>			x
	Tropical Pewee	<i>Contopus cinereus</i>	x	P,O	x
	Black Phoebe	<i>Sayornis nigricans</i>	x	O	x
	Rufous-tailed Tyrant	<i>Knipolegus poecilocercus</i>			x
	Pied Water-tyrant	<i>Fluvicola bicolor</i>	x	O	x
	White-headed Marsh-tyrant	<i>Arundinicola leucocephala</i>	x	O	
	Long-tailed Tyrant	<i>Colonia colonus</i>	x	O	x
	Cattle Tyrant	<i>Machetornis rixosus</i>	x	O	x
	Piratic Flycatcher	<i>Legatus leucophaeus</i>	x	P,O	x
	Rusty-margined Flycatcher	<i>Myiozetetes cayennensis</i>			x
	Social Flycatcher	<i>Myiozetetes similis</i>	x	P,O	
	Great Kiskadee	<i>Pitangus sulphuratus</i>	x	P,O	x
	Lesser Kiskadee	<i>Pitangus lictor</i>	x	P,O	
	Sulphur-bellied Flycatcher	<i>Myiodynastes luteiventris</i>			x
	Streaked Flycatcher	<i>Myiodynastes maculatus</i>	x	P,O,R	x
	Boat-billed Flycatcher	<i>Megarhynchus pitangua</i>	x	P,O	x
	Tropical Kingbird	<i>Tyrannus melancholicus</i>	x	P,O,R	x
	Fork-tailed Flycatcher	<i>Tyrannus savanna</i>	x	O	x
	Eastern Kingbird	<i>Tyrannus tyrannus</i>	x	P,O	x
	Dusky-capped Flycatcher	<i>Myiarchus tuberculifer</i>			x
	Panama Flycatcher	<i>Myiarchus panamensis</i>	x	P,O	x
	Great-crested Flycatcher	<i>Myiarchus crinitus</i>			x
	Brown-crested Flycatcher	<i>Myiarchus tyrannulus</i>	x	P,O	
	Bright-rumped Attila	<i>Attila spadiceus</i>	x	P,O,R	x
<b>COTINGIDAE</b>	Blue Cotinga	<i>Cotinga nattereri</i>	x	O	x
	Purple-throated Fruitcrow	<i>Querula purpurata</i>	x	P,O,R	x
<b>PIPRIDAE</b>	White-bibbed Manakin	<i>Corapipo leucorrhoa</i>	X	O	
	Striped Manakin	<i>Machaeropterus regulus</i>	x	P,O	x
	Blue-crowned Manakin	<i>Lepidothrix coronata</i>	x	P,O	
	White-bearded Manakin	<i>Manacus manacus</i>	x	P,O,R	x
	Golden-headed Manakin	<i>Pipra erythrocephala</i>	x	P,O,R	x
<b>INCERTAE SEDIS</b>	Rufous Mourner	<i>Rhyaptera holerythra</i>	x	P,O	x

	Cinereous Becard	<i>Pachyramphus rufus</i>	x	P,O	x
	Cinnamon Becard	<i>Pachyramphus cinnamomeus</i>	x	P,O	x
	Black-crowned Tityra	<i>Tityra inquisitor</i>	x	O,R	x
<b>VIREONIDAE</b>	Thrush-like Schiffornis	<i>Schiffornis turdinus</i>	x	P,O,R	x
	Rufous-browed Peppershrike	<i>Cyclarhis gujanensis</i>			x
	Yellow-browed Shrike-vireo	<i>Vireolanus eximius</i>	x	O,R	x
	Yellow-throated Vireo	<i>Vireo flavifrons</i>	x	P,O	
	Red-eyed Vireo	<i>Vireo olivaceus</i>	x	P,O	x
	Rufous-naped Greenlet	<i>Hylophilus semibrunneus</i>	x		x
	Scrub Greenlet	<i>Hylophilus flavipes</i>	x	P,O	x
<b>CORVIDAE</b>	Tawny-crowned Greenlet	<i>Hylophilus ochraceiceps</i>			x
<b>HIRUNDINIDAE</b>	Black-chested Jay	<i>Cyanocorax affinis</i>	x	P,O,R	x
	White-winged Swallow	<i>Tachycineta albiventer</i>	x	O	x
	Grey-breasted Martin	<i>Progne chalybea</i>	x	O	x
	White-thighed Swallow	<i>Neochelidon tibialis</i>			x
	Southern Rough-winged Swallow	<i>Stelgidopteryx ruficollis</i>	x	P,O	
	Bank Swallow	<i>Riparia riparia</i>	x	O	
<b>INCERTAE SEDIS</b>	Barn Swallow	<i>Hirundo rustica</i>			x
<b>TROGLODYTIDAE</b>	Black-capped Donacobius	<i>Donacobius atricapillus</i>	x	O	x
	Southern Nightingale-wren	<i>Microcerculus marginiatus</i>	x	P,O,R	x
	House Wren	<i>Troglodytes aedon</i>	x	P,O,R	x
	Band-backed Wren	<i>Campylorhynchus zonatus</i>	x	O	x
	Sooty-headed Wren	<i>Thryothorus spadix</i>	x	O	x
	Black-bellied Wren	<i>Thryothorus fasciatoventris</i>	x	P,O,R	x
	Stripe-breasted Wren	<i>Thryothorus leucopogon</i>			x
	White-breasted Wood-wren	<i>Henicorhina leucosticta</i>	x	P,O	
<b>POLIOPTIDAE</b>	Grey-breasted Wood-wren	<i>Henicorhina leucophrys</i>			x
	Tawny-faced Gnatwren	<i>Microbatas cinereiventris</i>	x	O	
	Long-billed Gnatwren	<i>Ramphococcyz melanurus</i>	x	P,O	x
<b>TURDIDAE</b>	Slate-throated Gnatcatcher	<i>Poliophtila schistaceigula</i>	x	O	
	Grey-cheeked Thrush	<i>Catharus minimus</i>	x	P,O	x
	Swainson's Thrush	<i>Catharus ustulatus</i>	x	P,O	x
	Pale-breasted Thrush	<i>Turdus leucamelas</i>	x	P,O	
	Black-billed Thrush	<i>Turdus ignobilis</i>	x	P,O	x
	Pale-vented Thrush	<i>Turdus obsoletus</i>	x	O	x
<b>MIMIDAE</b>	Tropical Mockingbird	<i>Mimus gilvus</i>	x	O	x
<b>THRAUPIDAE</b>	Black-faced Tanager	<i>Schistochlamys melanopsis</i>	x	P,O	x
	Grey-headed Tanager	<i>Eucametes penicillata</i>	x	P,O	x
	White-shouldered Tanager	<i>Tachyphonus luctuosus</i>	x	P,O	
	Tawny-crested Tanager	<i>Tachyphonus delatrii</i>	x	O	
	White-lined Tanager	<i>Tachyphonus rufus</i>	x	P,O	x
	Crimson-backed Tanager	<i>Ramphocelus dimidiatus</i>	x	P,O,R	x
	Lemon-rumped Tanager	<i>Ramphocelus icteronotus</i>			x
	Blue-grey Tanager	<i>Thraupis episcopus</i>	x	P,O	x
	Palm Tanager	<i>Thraupis palmarum</i>	x	P,O	x
	Plain-coloured Tanager	<i>Tangara inornata</i>	x	P,O	x
	Golden Tanager	<i>Tangara arthus</i>			x
	Speckled Tanager	<i>Tangara guttata</i>			x
	Bay-headed Tanager	<i>Tangara gyrola</i>	x	P,O	x
	Scrub Tanager	<i>Tangara vitriolina</i>	x	P,O	x
	Blue-necked Tanager	<i>Tangara cyanicollis</i>	x	P,O	x
	Golden-masked Tanager	<i>Tangara larvata</i>	x	P,O	x
	Swallow Tanager	<i>Tersinia viridis</i>	x	O	x
	Black-faced Dacnis	<i>Dacnis lineata</i>	x	P,O	x
	Turquoise Dacnis	<i>Dacnis hartlaubi</i>	x	O	x
	Blue Dacnis	<i>Dacnis cayana</i>	x	P,O	x
	Purple Honeycreeper	<i>Cyanerpes caeruleus</i>	x	P,O	x
	Red-legged Honeycreeper	<i>Cyanerpes cyaneus</i>	x	O	
	Green Honeycreeper	<i>Chlorophanes spiza</i>	x	P,O	x
	Scarlet-browed Tanager	<i>Heterospingus xanthopygius</i>	x	P,O	
	Yellow-backed Tanager	<i>Hemithraupis flavicollis</i>	x	P,O	x
<b>INCERTAE SEDIS</b>	White-eared Conebill	<i>Conirostrum leucogenys</i>	x	O	
	Summer Tanager	<i>Piranga rubra</i>	x	P,O	x
	Scarlet Tanager	<i>Piranga olivacea</i>	x	P,O	x
	Sooty Ant-tanager	<i>Habia gutturalis</i>	x	P,O	x
	Bananaquit	<i>Coereba flaveola</i>	x	P,O	x
	Dull-coloured Grassquit	<i>Tiaris obscura</i>	x	O	x
	Black-faced Grassquit	<i>Tiaris bicolor</i>	x	P,O	
<b>EMBERIZIDAE</b>	Saffron Yellow-finch	<i>Sicalis flaveola</i>	x	P,O	x



	Blue-back Grassquit	<i>Volatinia jacarina</i>	x	P,O	x
	Slate-coloured Seedeater	<i>Sporophila schistacea</i>	x	P,O	
	Grey Seedeater	<i>Sporophila intermedia</i>			x
	Lined Seedeater	<i>Sporophila lineola</i>			x
	Yellow-bellied Seedeater	<i>Sporophila nigricollis</i>	x	P,O	x
	Ruddy-breasted Seedeater	<i>Sporophila minuta</i>	x	P,O	x
	Large-billed Seed-finch	<i>Oryzoborus crassirostris</i>	x	P,O	x
	Lesser Seed-finch	<i>Oryzoborus angolensis</i>	x	P,O	x
	Black-striped Sparrow	<i>Arremonops conirostris</i>	x	P,O	x
	Orange-billed Sparrow	<i>Arremon aurantirostris</i>	x	P,O	x
	Chestnut-capped Brush-finch	<i>Buarremon brunneinucha</i>			x
<b>CARDINALIDAE</b>	Slate-coloured Grosbeak	<i>Saltator grossus</i>	x	O,R	
	Buff-throated Saltator	<i>Saltator maximus</i>	x	P,O,R	
	Black-throated Saltator	<i>Saltator atripennis</i>			x
	Greyish Saltator	<i>Saltator coerulescens</i>	x	O	x
	Streaked Saltator	<i>Saltator striatipectus</i>	x	P,O,R	
	Blue-black Grosbeak	<i>Cyanocompsa cyanoides</i>	x	O,R	x
<b>PARULIDAE</b>	Golden-winged Warbler	<i>Vermivora chrysoptera</i>			x
	Tennessee Warbler	<i>Vermivora peregrina</i>	x	P,O	
	Tropical Parula	<i>Parula pitayumi</i>	x	O	x
	Yellow Warbler	<i>Dendroica petechia / aestiva</i>	x	P,O	x
	Bay-breasted Warbler	<i>Dendroica castanea</i>	x	P,O	x
	Blackburnian Warbler	<i>Dendroica fusca</i>	x	P,O	x
	Cerulean Warbler	<i>Dendroica cerulea</i>	x	P,O	x
	American Redstart	<i>Setophaga ruticilla</i>	x	O	x
	Black-and-white Warbler	<i>Mniotilta varia</i>	x	P,O	x
	Northern Waterthrush	<i>Seiurus noveboracensis</i>	x	P,O	x
	Mourning Warbler	<i>Oporornis philadelphia</i>	x	P,O	x
	Canada Warbler	<i>Wilsonia canadensis</i>	x	P,O	x
	Slate-throated Whitestart	<i>Myioborus miniatus</i>			x
	Grey-throated Warbler	<i>Basileuterus cinereicollis</i>			x
	Rufous-capped Warbler	<i>Basileuterus rufifrons</i>	x	P,O	x
	Three-striped Warbler	<i>Basileuterus tristriatus</i>			x
	Buff-rumped Warbler	<i>Basileuterus fulvicauda</i>	x	P,O,R	
<b>ICTERIDAE</b>	Chestnut-headed Oropendola	<i>Psarocolius wagleri</i>	x	O,R	
	Orange-crowned Oriole	<i>Icterus auricapillus</i>	x	P,O	x
	Yellow-backed Oriole	<i>Icterus chrysater</i>			x
	Yellow Oriole	<i>Icterus nigrogularis</i>	x	P,O	x
	Shiny Cowbird	<i>Molothrus bonariensis</i>	x	O	x
	Red-breasted Blackbird	<i>Sturnella militaris</i>	x	O	x
<b>FRINGILLIDAE</b>	Lesser Goldfinch	<i>Carduelis psaltria</i>	x	P,O	
	Thick-billed Euphonia	<i>Euphonia lanirostris</i>	x	P,O	x
	Fulvous-vented Euphonia	<i>Euphonia fulvicrissa</i>	x	P,O	x
			<b>293</b>		<b>264</b>
	<b>352 species</b>				