#### Field Guides Tour Report

# Peru's Magnetic North: Spatuletails, Owlet Lodge & More 2017

Jul 15, 2017 to Jul 26, 2017 Dan Lane & Jesse Fagan

For our tour description, itinerary, past triplists, dates, fees, and more, please VISIT OUR TOUR PAGE.



We had to work for this one, but you can't get much better than this for a view of a Long-whiskered Owlet! Photo by guide Jesse Fagan.

Well, this was about the birdiest tour I've done to the area: we had a higher species tally of any of the tours I've done here in the past five years! And we had some real stonkers, too: a five nightjar morning, 51 species of hummingbirds (probably an all-time high count for any Peru tour, I'll have to check if it was for any FG tour!), Rusty-tinged Antpittas bounding around in the open in front of us, several mind-numbing tyrannulets showing off their splendor, close, colorful Johnson's (nee, Lulu's) Tody-Flycatcher, the rarely encountered Jelski's Black-Tyrant, the large and gawky Red-ruffed Fruitcrow, the fiery Andean Cock-of-the-Rock, the newly-described Varzea Thrush, the raucous White-capped Tanagers, the rare Green-throated Tanager and all the other gaudy Tangaras, the rare and local Pale-eyed Blackbird and Black-billed Seedfinch, and the very local (in Peru) Plumbeous Euphonia, not to mention, of course, the two standouts Marvelous Spatuletail and Long-whiskered Owlet (both marquee species for the tour!).

Our route took us through some of the more interesting range of habitats in the country, touching on rain shadow valley woodland, white sand forest, marsh, and cropland, montane forests from the "subtropical" to the "temperate" zones, and semi-humid transition forest as one crests the taller ridges of the mountains around Pomacochas and approaches the rain shadow of the Utcubamba valley. We also had a complete cross-section (I'm certain!) of Peruvian cuisine, with chef Marco providing some exquisite meals on roadsides and in our lodge! It is quite an experience to combine some of the world's best birding and some of its great food all in one tour!

Jesse and I really enjoyed having you along with us on this visit, and having the opportunity to share the treasures of this fine country with you. We hope you return for another visit to another corner of one of South America's crown jewels: Peru!

Meanwhile, good birding to you!

Dan

# KEYS FOR THIS LIST

One of the following keys may be shown in brackets for individual species as appropriate: \* = heard only, I = introduced, E = endemic, N = nesting, a = austral migrant, b = boreal migrant

## **BIRDS**

Tinamidae (Tinamous)

CINEREOUS TINAMOU (Crypturellus cinereus) - This and the next species showed well at Arenas Blancas.

LITTLE TINAMOU (Crypturellus soui)

BROWN TINAMOU (CASTANEUS) (Crypturellus obsoletus castaneus) [\*]

TATAUPA TINAMOU (Crypturellus tataupa) [\*]

Anatidae (Ducks, Geese, and Waterfowl)

WHITE-CHEEKED PINTAIL (Anas bahamensis) – An isolated population at Pomacochas.

Cracidae (Guans, Chachalacas, and Curassows)

SPECKLED CHACHALACA (Ortalis guttata)

ANDEAN GUAN (Penelope montagnii) - This and Sickle-winged Guan were at Huembo's fruit feeder.

WATTLED GUAN (Aburria aburri) [\*]

SICKLE-WINGED GUAN (Chamaepetes goudotii)

Odontophoridae (New World Quail)

RUFOUS-BREASTED WOOD-QUAIL (Odontophorus speciosus) - Another visitor to the Arenas Blancas blind.

Ardeidae (Herons, Egrets, and Bitterns)

**GREAT EGRET** (Ardea alba)

**SNOWY EGRET** (Egretta thula)

LITTLE BLUE HERON (Egretta caerulea)

**CATTLE EGRET** (Bubulcus ibis)

STRIATED HERON (Butorides striata)

Cathartidae (New World Vultures)

**BLACK VULTURE** (Coragyps atratus)

TURKEY VULTURE (Cathartes aura)

GREATER YELLOW-HEADED VULTURE (Cathartes melambrotus)

Accipitridae (Hawks, Eagles, and Kites)

HOOK-BILLED KITE (Chondrohierax uncinatus) – A nice sighting was a bird flying over the marshes in the Mayo valley our last full day.

**SWALLOW-TAILED KITE** (Elanoides forficatus)

**SNAIL KITE** (Rostrhamus sociabilis)

DOUBLE-TOOTHED KITE (Harpagus bidentatus) - A young bird perched at Santa Elena was a nice find.

**ROADSIDE HAWK** (Rupornis magnirostris)

WHITE HAWK (Pseudastur albicollis) – Some lucky folks caught a glimpse of this fine raptor as we drove west from Tarapoto the first full day.

SHORT-TAILED HAWK (Buteo brachyurus) - This and the next species soared past the mirador at Abra Patricia.

WHITE-THROATED HAWK (Buteo albigula)

Rallidae (Rails, Gallinules, and Coots)

RUFOUS-SIDED CRAKE (Laterallus melanophaius) – Views through the grass edge in the rice country of the Mayo valley.

**GRAY-COWLED WOOD-RAIL** (Aramides cajaneus) – Formerly Gray-necked Wood-Rail (now split), a bird came in briefly for those with patience at the Arenas Blancas blind.

RUSSET-CROWNED CRAKE (Anurolimnas viridis) – Although heard nearly at our feet, it wouldn't pop out into view. [\*]

SPOTTED RAIL (Pardirallus maculatus) – Shy this year. [\*]

BLACKISH RAIL (Pardirallus nigricans) [\*]

PLUMBEOUS RAIL (Pardirallus sanguinolentus) - A real extrovert in the rallid world.

PURPLE GALLINULE (Porphyrio martinicus)

**COMMON GALLINULE** (Gallinula galeata)

Aramidae (Limpkin)

**LIMPKIN** (Aramus guarauna) – Heard and seen briefly in the marshes of the Mayo valley.

Charadriidae (Plovers and Lapwings)

ANDEAN LAPWING (Vanellus resplendens) - Around Pomacochas.

Jacanidae (Jacanas)

WATTLED JACANA (Jacana jacana)

Scolopacidae (Sandpipers and Allies)

SOUTH AMERICAN SNIPE (Gallinago paraguaiae) - We're pretty certain the snipe around Pomacochas are this species.

Laridae (Gulls, Terns, and Skimmers)

ANDEAN GULL (Chroicocephalus serranus) – A colony on Pomacochas.

LARGE-BILLED TERN (Phaetusa simplex) - Wow, this was an interesting record! Three birds on Pomacochas!

Columbidae (Pigeons and Doves)

ROCK PIGEON (Columba livia) [I]

SCALED PIGEON (Patagioenas speciosa) – A widespread but "thin on the ground" pigeon that seems to favor sandy forests.

BAND-TAILED PIGEON (Patagioenas fasciata)

PLUMBEOUS PIGEON (Patagioenas plumbea)

RUDDY PIGEON (Patagioenas subvinacea)

RUDDY GROUND-DOVE (Columbina talpacoti)

BLUE GROUND-DOVE (Claravis pretiosa) – An attractive dove we spotted quickly in the Mayo valley.

WHITE-TIPPED DOVE (DECOLOR) (Leptotila verreauxi decolor) – This and the next form are still considered conspecific, but they sound a look a bit different and are separated from one another by the Abra Patricia massif. Some day they may meet and decide they aren't interested in seeing each other...

WHITE-TIPPED DOVE (BRASILIENSIS GROUP) (Leptotila verreauxi decipiens) [\*]

WHITE-THROATED QUAIL-DOVE (Zentrygon frenata) [\*]

**EARED DOVE** (Zenaida auriculata)

Cuculidae (Cuckoos)

SMOOTH-BILLED ANI (Crotophaga ani)

SOUIRREL CUCKOO (Piava cayana)

Strigidae (Owls)

TROPICAL SCREECH-OWL (Megascops choliba) [\*]

VERMICULATED SCREECH-OWL (FOOTHILL) (Megascops guatemalae napensis) – A foothill form that we spent some time playing back to at Waqanki, but it refused to come in for a view. [\*]

WHITE-THROATED SCREECH-OWL (Megascops albogularis) [\*]

**BAND-BELLIED OWL** (Pulsatrix melanota) – This large owl showed well at Waqanki!

YUNGAS PYGMY-OWL (Glaucidium bolivianum) [\*]

FERRUGINOUS PYGMY-OWL (Glaucidium brasilianum) [\*]

LONG-WHISKERED OWLET (Xenoglaux loweryi) – Whew! After two tries, the third one was a success! The long walk was worth it! [E]

RUFOUS-BANDED OWL (Ciccaba albitarsis) [\*]

Caprimulgidae (Nightjars and Allies)

RUFOUS-BELLIED NIGHTHAWK (Lurocalis rufiventris) – Basically an oversized bat that flies over the canopy at Owlet Lodge.

BLACKISH NIGHTJAR (Nyctipolus nigrescens) – The last of the string of nightjars we encountered at Morro de Calzada.

**COMMON PAURAQUE** (Nyctidromus albicollis)

LYRE-TAILED NIGHTJAR (Uropsalis lyra) – A young male with a moderate (not full-length) tail was a daily feature most mornings before breakfast at Owlet Lodge.

LITTLE NIGHTJAR (Setopagis parvula) - Wow, a great flyby view of this rather local bird in Peru!

SPOT-TAILED NIGHTJAR (Hydropsalis maculicaudus) – Our first nightjar at Morro de Calzada.

RUFOUS NIGHTJAR (Antrostomus rufus) - A tropical version of Chuck-will's-widow, this large nightjar showed well for us at Morro de Calzada.

Steatornithidae (Oilbird)

OILBIRD (Steatornis caripensis) - The slot canyon under the highway performed well again this year!

Apodidae (Swifts)

WHITE-CHESTED SWIFT (Cypseloides lemosi) – A couple of individuals blasted over Venceremos as we enjoyed breakfast our penultimate morning.

CHESTNUT-COLLARED SWIFT (Streptoprocne rutila) – This and most of the rest of the swifts on this list were seen our morning down at Arenas Blancas.

WHITE-COLLARED SWIFT (Streptoprocne zonaris)

SHORT-TAILED SWIFT (Chaetura brachyura)

**GRAY-RUMPED SWIFT** (Chaetura cinereiventris)

WHITE-TIPPED SWIFT (Aeronautes montivagus)

FORK-TAILED PALM-SWIFT (Tachornis squamata)

Trochilidae (Hummingbirds)

WHITE-NECKED JACOBIN (Florisuga mellivora)

RUFOUS-BREASTED HERMIT (Glaucis hirsutus)

GREEN HERMIT (Phaethornis guy)

**TAWNY-BELLIED HERMIT** (Phaethornis syrmatophorus) – All right! A bird that has been hard to find now seems to be coming to feeders at Venceremos! Funnily, one shot past us along the highway shortly before we arrived there.

KOEPCKE'S HERMIT (Phaethornis koepckeae) – At the feeders of the reserve bearing its name near Tarapoto. [E]

GREAT-BILLED HERMIT (Phaethornis malaris) - Called "Long-tailed Hermit" in Birds of Peru.

BLACK-THROATED HERMIT (Phaethornis atrimentalis) – Of the micro-hermits, this was the one we saw several times at the Waqanki feeders.

GRAY-CHINNED HERMIT (Phaethornis griseogularis) – A lek beside the road gave us some glimpses of this foothill micro-hermit.

REDDISH HERMIT (Phaethornis ruber) - Around feeders low on the Abra Patricia road.

**GREEN-FRONTED LANCEBILL** (Doryfera ludovicae) – A single bird at flowers at Arenas Blancas provided a good comparison to the various individuals of the next species there.

BLUE-FRONTED LANCEBILL (Doryfera johannae)

BROWN VIOLETEAR (Colibri delphinae)

**LESSER VIOLETEAR** (Colibri cyanotus) – Until recently called "Green Violetear" but the Middle American populations have been split off and the remaining birds from Costa Rica to Bolivia are now "Lesser".

SPARKLING VIOLETEAR (Colibri coruscans)

BLACK-THROATED MANGO (Anthracothorax nigricollis)

AMETHYST-THROATED SUNANGEL (Heliangelus amethysticollis) - A male at the Fundo Alto Nieva feeders was a nice show.

ROYAL SUNANGEL (Heliangelus regalis) - A handsome adult male at Fundo Alto Nieva was a great bird to watch at close quarters!

WIRE-CRESTED THORNTAIL (Discosura popelairii) - Two males and a female foraged at Arenas Blancas.

RUFOUS-CRESTED COQUETTE (Lophornis delattrei) – A show-stopper!

ECUADORIAN PIEDTAIL (Phlogophilus hemileucurus) – Often a very sneaky hummer that used to be difficult to see, there are now some feeders at the Llantaria that make it a breeze.

**SPECKLED HUMMINGBIRD** (Adelomyia melanogenys)

LONG-TAILED SYLPH (Aglaiocercus kingii)

GREEN-TAILED TRAINBEARER (Lesbia nuna) – Typically found in semi-humid woodland, it is regular around Pomacochas and Huembo.

GREENISH PUFFLEG (Haplophaedia aureliae)

**EMERALD-BELLIED PUFFLEG** (Eriocnemis aline) – A glowy hummer that we enjoyed at Owlet Lodge.

MARVELOUS SPATULETAIL (Loddigesia mirabilis) – One of the highlights of the tour (and in the name, so it better be!), this handsome hummer didn't fail to please! [E]

BRONZY INCA (Coeligena coeligena)

COLLARED INCA (Coeligena torquata)

**SWORD-BILLED HUMMINGBIRD** (Ensifera ensifera) – No longer the rare sight it once was, we can see multiple birds around Owlet Lodge... but a few "wild" birds were nice nevertheless.

CHESTNUT-BREASTED CORONET (Boissonneaua matthewsii)

BOOTED RACKET-TAIL (Ocreatus underwoodii) – Like a practice run in the construction of a Spatuletail, this hummer is also a looker.

**BLACK-THROATED BRILLIANT** (Heliodoxa schreibersii) – A lifer for the ole' Barbet! A male came in to the feeders at Arenas Blancas on two occasions.

GOULD'S JEWELFRONT (Heliodoxa aurescens) – A lowland brilliant that is quite a looker, we saw it well at the Koepcke's Hermit reserve.

FAWN-BREASTED BRILLIANT (Heliodoxa rubinoides)

VIOLET-FRONTED BRILLIANT (Heliodoxa leadbeateri)

LONG-BILLED STARTHROAT (Heliomaster longirostris)

PURPLE-COLLARED WOODSTAR (Myrtis fanny) – A couple of birds at Huembo.

WHITE-BELLIED WOODSTAR (Chaetocercus mulsant) – Clouds of them around the Owlet Lodge feeders.

**LITTLE WOODSTAR** (Chaetocercus bombus) – A couple of females at Huembo were fun.

AMETHYST WOODSTAR (Calliphlox amethystina) - A male at Arenas Blancas.

**BLUE-TAILED EMERALD** (Chlorostilbon mellisugus)

VIOLET-HEADED HUMMINGBIRD (Klais guimeti) – After seeing one or two at feeders, a female on the nest along the road at the Tarapoto tunnel was a treat! [N]

**GRAY-BREASTED SABREWING** (Campylopterus largipennis)

FORK-TAILED WOODNYMPH (Thalurania furcata)

MANY-SPOTTED HUMMINGBIRD (Taphrospilus hypostictus)

WHITE-BELLIED HUMMINGBIRD (Amazilia chionogaster)

ANDEAN EMERALD (Amazilia franciae cyanocollis)

SAPPHIRE-SPANGLED EMERALD (Amazilia lactea)

**GOLDEN-TAILED SAPPHIRE** (Chrysuronia oenone)

WHITE-CHINNED SAPPHIRE (Hylocharis cyanus)

### Trogonidae (Trogons)

GOLDEN-HEADED QUETZAL (Pharomachrus auriceps) [\*]

GREEN-BACKED TROGON (Trogon viridis) - Formerly White-tailed Trogon, we saw this at Morro de Calzada.

BLUE-CROWNED TROGON (Trogon curucui) – Some folks caught a glimpse of this small, red-bellied trogon at Juan Guerra the first day.

**COLLARED TROGON** (Trogon collaris) – A bird at the llantaria was surprisingly high.

MASKED TROGON (Trogon personatus)

#### Momotidae (Motmots)

AMAZONIAN MOTMOT (Momotus momota) – Devin and Francois had this Blue-crowned Motmot at Santa Elena. [\*]

RUFOUS MOTMOT (Baryphthengus martii) [\*]

BROAD-BILLED MOTMOT (Electron platyrhynchum) - Nice views of this smaller motmot at Morro de Calzada.

# Alcedinidae (Kingfishers)

RINGED KINGFISHER (Megaceryle torquata) – We had a near-sweep of kingfishers at Santa Elena our penultimate day.

AMAZON KINGFISHER (Chloroceryle amazona)

GREEN KINGFISHER (Chloroceryle americana)

GREEN-AND-RUFOUS KINGFISHER (Chloroceryle inda)

Bucconidae (Puffbirds)

BLACK-STREAKED PUFFBIRD (Malacoptila fulvogularis) - A nice find was this montane puffbird near the llantaria.

LANCEOLATED MONKLET (Micromonacha lanceolata) – A pair of these petite puffbirds at Aguas Verdes was great.

**BLACK-FRONTED NUNBIRD** (Monasa nigrifrons)

WHITE-FRONTED NUNBIRD (Monasa morphoeus)

SWALLOW-WINGED PUFFBIRD (Chelidoptera tenebrosa) – A bird of the Mayo valley, where it nests in holes in sandy ground.

#### Galbulidae (Jacamars)

**BLUISH-FRONTED JACAMAR** (Galbula cyanescens)

### Capitonidae (New World Barbets)

GILDED BARBET (Capito auratus punctatus) – Nice views of this colorful barbet at Morro de Calzada.

VERSICOLORED BARBET (Eubucco versicolor steerii) - Only brief views of this montane barbet at the llantaria.

#### Ramphastidae (Toucans)

CHESTNUT-EARED ARACARI (Pteroglossus castanotis)

YELLOW-THROATED TOUCAN (BLACK-MANDIBLED) (Ramphastos ambiguus abbreviatus) - Sadly, only heard at Aguas Verdes. [\*]

CHANNEL-BILLED TOUCAN (YELLOW-RIDGED) (Ramphastos vitellinus culminatus)

### Picidae (Woodpeckers)

LAFRESNAYE'S PICULET (Picumnus lafresnayi) – A responsive bird at Morro de Calzada.

SPECKLE-CHESTED PICULET (Picumnus steindachneri) – Good looks at a couple of birds around the llantaria. [E]

YELLOW-TUFTED WOODPECKER (Melanerpes cruentatus)

**SMOKY-BROWN WOODPECKER** (Picoides fumigatus)

LITTLE WOODPECKER (Veniliornis passerinus)

GOLDEN-OLIVE WOODPECKER (Colaptes rubiginosus)

CRIMSON-MANTLED WOODPECKER (Colaptes rivolii)

LINEATED WOODPECKER (Dryocopus lineatus)

**CRIMSON-CRESTED WOODPECKER** (Campephilus melanoleucos)

#### Falconidae (Falcons and Caracaras)

YELLOW-HEADED CARACARA (Milvago chimachima) - In the Mayo valley.

BAT FALCON (Falco rufigularis)

#### Psittacidae (New World and African Parrots)

SPOT-WINGED PARROTLET (Touit stictopterus) - A rare parrot we heard flying over Arenas Blancas. [\*]

BARRED PARAKEET (Bolborhynchus lineola)

COBALT-WINGED PARAKEET (Brotogeris cyanoptera)

**RED-BILLED PARROT** (Pionus sordidus) – Seen on a couple of days early on.

**SPECKLE-FACED PARROT (WHITE-CAPPED)** (Pionus tumultuosus seniloides) – A small group landed, then flew over while we walked at Owlet Lodge.

**BLUE-HEADED PARROT** (Pionus menstruus)

SCALY-NAPED PARROT (Amazona mercenarius)

MITRED PARAKEET (Psittacara mitratus) – A huge group near Huembo.

WHITE-EYED PARAKEET (Psittacara leucophthalmus)

# Thamnophilidae (Typical Antbirds)

RUFOUS-RUMPED ANTWREN (Euchrepomis callinota) [\*]

GREAT ANTSHRIKE (Taraba major) [\*]

BARRED ANTSHRIKE (Thamnophilus doliatus) - Fine views of this jailbird in the Mayo rice fields.

RUFOUS-CAPPED ANTSHRIKE (Thamnophilus ruficapillus) - A male showed reluctantly at Pomacochas hotel.

LINED ANTSHRIKE (Thamnophilus tenuepunctatus) [\*]

PLAIN-WINGED ANTSHRIKE (Thamnophilus schistaceus) [\*]

NORTHERN SLATY-ANTSHRIKE (MARAON) (Thamnophilus punctatus huallagae)

VARIABLE ANTSHRIKE (Thamnophilus caerulescens)

RUSSET ANTSHRIKE (Thamnistes anabatinus) - A pair at the llantaria was nice.

PLAIN ANTVIREO (Dysithamnus mentalis)

STRIPE-CHESTED ANTWREN (Myrmotherula longicauda) – The "Black-and-white Warbler" like bird at Juan Guerra the first day.

WHITE-FLANKED ANTWREN (WHITE-FLANKED) (Myrmotherula axillaris melaena) [\*]

**SLATY ANTWREN** (Myrmotherula schisticolor) – A pair in the mixed flock at the llantaria.

YELLOW-BREASTED ANTWREN (Herpsilochmus axillaris) – Same as the last, but higher in the subcanopy.

RUFOUS-WINGED ANTWREN (Herpsilochmus rufimarginatus) [\*]

RUSTY-BACKED ANTWREN (Formicivora rufa) – An open country antbird we saw well at Morro de Calzada.

STREAK-HEADED ANTBIRD (Drymophila striaticeps) - Formerly called "Long-tailed Antbird", we saw this a couple of times around Owlet Lodge.

PERUVIAN WARBLING-ANTBIRD (Hypocnemis peruviana)

**BLACK ANTBIRD** (Cercomacroides serva) – A couple of pairs countersang across the road near the Tarapoto tunnel.

WHITE-BACKED FIRE-EYE (Pyriglena leuconota) [\*]

WHITE-BROWED ANTBIRD (Myrmoborus leucophrys) - Nice views at Juan Guerra.

BLACK-FACED ANTBIRD (Myrmoborus myotherinus) – Good views at the Tarapoto tunnel.

SPOT-WINGED ANTBIRD (Myrmelastes leucostigma)

**ZIMMER'S ANTBIRD** (Sciaphylax castanea castanea) [\*]

**COMMON SCALE-BACKED ANTBIRD** (Willisornis poecilinotus) [\*]

#### Conopophagidae (Gnateaters)

CHESTNUT-CROWNED GNATEATER (Conopophaga castaneiceps) – Wow, a great response from this skulker above the llantaria.

#### Grallariidae (Antpittas)

RUSTY-TINGED ANTPITTA (Grallaria przewalskii) – "Percy" and "Gladys" responded well to Kenny at Fundo Alto Nieva. [E]

CHESTNUT ANTPITTA (Grallaria blakei) [E\*]

OCHRE-FRONTED ANTPITTA (Grallaricula ochraceifrons) [E\*]

RUSTY-BREASTED ANTPITTA (LEIMEBAMBA) (Grallaricula ferrugineipectus leymebambae)

### Rhinocryptidae (Tapaculos)

RUFOUS-VENTED TAPACULO (Scytalopus femoralis) – A couple of birds circled us cryptically at Fundo Alto Nieva. [E]

WHITE-CROWNED TAPACULO (Scytalopus atratus) – A bird played hide and seek with us below the llantaria.

## Formicariidae (Antthrushes)

RUFOUS-BREASTED ANTTHRUSH (Formicarius rufipectus) [\*]

## Furnariidae (Ovenbirds and Woodcreepers)

TAWNY-THROATED LEAFTOSSER (Sclerurus mexicanus) [\*]

OLIVACEOUS WOODCREEPER (AMAZONIAN) (Sittasomus griseicapillus amazonus)

PLAIN-BROWN WOODCREEPER (Dendrocincla fuliginosa) - Views at Santa Elena.

WEDGE-BILLED WOODCREEPER (Glyphorynchus spirurus)

BLACK-BANDED WOODCREEPER (Dendrocolaptes picumnus) [\*]

OCELLATED WOODCREEPER (TSCHUDI'S) (Xiphorhynchus ocellatus chunchotambo) - Views of this woodcreeper at Aguas Verdes.

BUFF-THROATED WOODCREEPER (LAFRESNAYE'S) (Xiphorhynchus guttatus guttatoides)

**OLIVE-BACKED WOODCREEPER** (Xiphorhynchus triangularis) – Seen in flocks around Owlet Lodge.

MONTANE WOODCREEPER (Lepidocolaptes lacrymiger) – At the same sites as the last, but smaller.

**STREAKED XENOPS** (Xenops rutilans)

POINT-TAILED PALMCREEPER (Berlepschia rikeri) - Wow, what a great experience with this unique furnariid!

STREAKED TUFTEDCHEEK (Pseudocolaptes boissonneautii) – Devin retrieved and then eventually released one that hit a window at Owlet Lodge, and another was in a flock nearby.

RUSTY-WINGED BARBTAIL (Premnornis guttuliger) - Great bird! A trio was in a flock along the highway below Owlet Lodge.

PALE-LEGGED HORNERO (PALE-LEGGED) (Furnarius leucopus tricolor) – Our first was at the toll booth near Aguas Verdes town.

**BUFF-FRONTED FOLIAGE-GLEANER** (Philydor rufum)

MONTANE FOLIAGE-GLEANER (Anabacerthia striaticollis)

LINEATED FOLIAGE-GLEANER (Syndactyla subalaris) - Fine views of this hard to see furnariid near Venceremos.

BUFF-BROWED FOLIAGE-GLEANER (Syndactyla rufosuperciliata) - A pair showed reasonably well at Huembo.

**BLACK-BILLED TREEHUNTER** (Thripadectes melanorhynchus)

BUFF-THROATED FOLIAGE-GLEANER (Automolus ochrolaemus) [\*]

SPOTTED BARBTAIL (Premnoplex brunnescens) – Always easiest at dusk, when they are barely viewable.

PEARLED TREERUNNER (Margarornis squamiger) - A real looker we enjoyed near Owlet Lodge.

RUFOUS-FRONTED THORNBIRD (Phacellodomus rufifrons)

ASH-BROWED SPINETAIL (Cranioleuca curtata)

BARON'S SPINETAIL (Cranioleuca baroni) – A pair at Pomacochas.

SPECKLED SPINETAIL (Cranioleuca gutturata) [\*]

AZARA'S SPINETAIL (Synallaxis azarae)

DARK-BREASTED SPINETAIL (Synallaxis albigularis) [\*]

CINEREOUS-BREASTED SPINETAIL (Synallaxis hypospodia) – A pair were hard to see at Morro de Calzada.

CHESTNUT-THROATED SPINETAIL (Synallaxis cherriei) [\*]

**RUFOUS SPINETAIL** (Synallaxis unirufa) – Great views of this one at the entrance to Owlet Lodge.

#### Tyrannidae (Tyrant Flycatchers)

WHITE-LORED TYRANNULET (Ornithion inerme) – Fine views at the Koepcke's Hermit site.

SOUTHERN BEARDLESS-TYRANNULET (NORTHERN) (Camptostoma obsoletum olivaceum) – This was the form we saw at Morro de Calzada

**SOUTHERN BEARDLESS-TYRANNULET (SOUTHERN)** (Camptostoma obsoletum maranonicum) – This was the form we saw at Juan Guerra and again around Huembo.

RUFOUS-WINGED TYRANNULET (Mecocerculus calopterus) - Thanks to Francois for finding this uncommon tyrannulet at Huembo!

SULPHUR-BELLIED TYRANNULET (Mecocerculus minor) - In flocks around Owlet Lodge.

MOUSE-COLORED TYRANNULET (AMAZONIAN) (Phaeomyias murina wagae) – Good looks on the walk back from Arenas Blancas.

YELLOW-CROWNED TYRANNULET (Tyrannulus elatus) [\*]

FOREST ELAENIA (Myiopagis gaimardii) – At Morro de Calzada.

YELLOW-BELLIED ELAENIA (Elaenia flavogaster)

HIGHLAND ELAENIA (Elaenia obscura) – This was the pin-headed elaenia at Huembo.

**SIERRAN ELAENIA** (Elaenia pallatangae)

TORRENT TYRANNULET (Serpophaga cinerea) – Seen originally from the Aguas Verdes bridge, then again at Pomacochas.

STREAK-NECKED FLYCATCHER (Mionectes striaticollis)

**SLATY-CAPPED FLYCATCHER** (Leptopogon superciliaris)

INCA FLYCATCHER (Leptopogon taczanowskii) [E]

**MARBLE-FACED BRISTLE-TYRANT** (Phylloscartes ophthalmicus) – You can cut and paste this comment into the next several accounts: An exciting and awe-inspiring tyrannulet that we enjoyed immensely as it moved with mixed-species flocks in the canopy.

MOTTLE-CHEEKED TYRANNULET (Phylloscartes ventralis)

ECUADORIAN TYRANNULET (Phylloscartes gualaquizae)

PLUMBEOUS-CROWNED TYRANNULET (Phyllomyias plumbeiceps)

RED-BILLED TYRANNULET (Zimmerius cinereicapilla) – At Arenas Blancas.

MISHANA TYRANNULET (Zimmerius villarejoi) – Nice eye-level views from the hummingbird feeder tower at Waqanki. [E]

**PERUVIAN TYRANNULET** (Zimmerius viridiflavus) – This form, which looks like Golden-faced Tyrannulet, nevertheless groups with the more yellow-bodied Peruvian by voice and genes. Don't worry about it, it's not worth it. [E]

**ORNATE FLYCATCHER** (Myiotriccus ornatus)

RUFOUS-HEADED PYGMY-TYRANT (Pseudotriccus ruficeps) – A petite cutie that had us spinning in circles trying to get views along the ridge trail at Owlet Lodge.

STRIPE-NECKED TODY-TYRANT (Hemitriccus striaticollis) - This and the next showed well at Morro de Calzada.

PEARLY-VENTED TODY-TYRANT (Hemitriccus margaritaceiventer)

BLACK-THROATED TODY-TYRANT (Hemitriccus granadensis) – Great views at Owlet Lodge.

CINNAMON-BREASTED TODY-TYRANT (Hemitriccus cinnamomeipectus) – Responsive bird at Alto Nieva.

JOHNSON'S TODY-FLYCATCHER (Poecilotriccus luluae) – A stunner showed well at the parking area at Owlet Lodge. [E]

**COMMON TODY-FLYCATCHER** (Todirostrum cinereum)

YELLOW-BROWED TODY-FLYCATCHER (Todirostrum chrysocrotaphum) – This little chipper is full of piss and vinegar. One showed well over the entrance trail at Morro de Calzada.

YELLOW-OLIVE FLYCATCHER (ANDES) (Tolmomyias sulphurescens peruvianus) – After missing it at Abra Patricia, we caught up to this one at the Tarapoto tunnel.

YELLOW-MARGINED FLYCATCHER (Tolmomyias assimilis)

YELLOW-BREASTED FLYCATCHER (Tolmomyias flaviventris) [\*]

**CINNAMON FLYCATCHER** (Pyrrhomyias cinnamomeus)

CLIFF FLYCATCHER (Hirundinea ferruginea) - Great views of this handsome flycatcher on the far side of the Tarapoto tunnel.

**FLAVESCENT FLYCATCHER** (Myiophobus flavicans) – A yellowish flycatcher (as the name suggests) that we saw after the two-day rains at Owlet Lodge.

**OLIVE FLYCATCHER** (Mitrephanes olivaceus)

**SMOKE-COLORED PEWEE** (Contopus fumigatus)

**BLACK PHOEBE** (Sayornis nigricans)

**VERMILION FLYCATCHER** (Pyrocephalus rubinus) – Jesse and group had a bird at Pomacochas. This is actually an interesting record, as it could be either the austral migrant form (nominate) or the bird from the Utcubamba valley (which is generally a resident). Given the locality, I bet on the migrant form! These may be split as separate species soon, so something to think about.

JELSKI'S BLACK-TYRANT (Knipolegus signatus) – Francois got us on a fine female of this rare Peruvian endemic along the highway at Owlet Lodge. [E]

LITTLE GROUND-TYRANT (Muscisaxicola fluviatilis) - A bird around the pool at the Pomacochas hotel has been there for several years.

LONG-TAILED TYRANT (Colonia colonus)

BRIGHT-RUMPED ATTILA (Attila spadiceus) [\*]

**GRAYISH MOURNER** (Rhytipterna simplex) – A bird along the road near the Tarapoto tunnel.

**DUSKY-CAPPED FLYCATCHER** (Myiarchus tuberculifer)

SHORT-CRESTED FLYCATCHER (Myiarchus ferox)

PALE-EDGED FLYCATCHER (Myiarchus cephalotes) – The common Myiarchus at Owlet Lodge.

BROWN-CRESTED FLYCATCHER (Myiarchus tyrannulus) – A bird some folks saw at Juan Guerra.

**GREAT KISKADEE** (Pitangus sulphuratus)

BOAT-BILLED FLYCATCHER (Megarynchus pitangua)

**SOCIAL FLYCATCHER** (Myiozetetes similis)

**GRAY-CAPPED FLYCATCHER** (Myiozetetes granadensis)

**LEMON-BROWED FLYCATCHER** (Conopias cinchoneti) – When life hands you lemons.... put them in your brows?

STREAKED FLYCATCHER (SOLITARIUS) (Myiodynastes maculatus solitarius) – Generally considered an austral migrant, but there is evidence that it breeds in the Mayo valley.

PIRATIC FLYCATCHER (Legatus leucophaius) - Named for its habit of taking over cacique and oropendola nests.

**CROWNED SLATY FLYCATCHER** (Empidonomus aurantioatrocristatus) – This austral migrant is one Irene spotted for us on the Tarapoto tunnel road. [a]

SULPHURY FLYCATCHER (Tyrannopsis sulphurea) – A kingbird-like flycatcher that specializes on Mauritia palms (called Aguaje in Peru, but Moriche or Buriti in other parts of South America).

TROPICAL KINGBIRD (Tyrannus melancholicus)

#### Cotingidae (Cotingas)

GREEN-AND-BLACK FRUITEATER (Pipreola riefferii) – It took a while, but eventually we saw this attractive cotinga.

ANDEAN COCK-OF-THE-ROCK (Rupicola peruvianus) – Always a show-stopper!

**RED-RUFFED FRUITCROW** (Pyroderus scutatus) – Although eclipsed for some folks by the previous species, this one is actually much harder to see and thus perhaps more bang for the buck!

#### Pipridae (Manakins)

GOLDEN-WINGED MANAKIN (Masius chrysopterus) [\*]

BLUE-CROWNED MANAKIN (Lepidothrix coronata) – A male at the Koepcke's Hermit reserve was shy.

GOLDEN-HEADED MANAKIN (Ceratopipra erythrocephala) – Great views of this lovely manakin.

**WING-BARRED PIPRITES** (Piprites chloris) – Not satisfactorily placed in a bird family (I think its inclusion in the manakins in our checklist is not final), but we saw one at Aguas Verdes.

# Tityridae (Tityras and Allies)

MASKED TITYRA (Tityra semifasciata)

**BARRED BECARD** (Pachyramphus versicolor) – As we had breakfast at Venceremos, we had this and Black-and-white becard come and check us out.

WHITE-WINGED BECARD (Pachyramphus polychopterus)

BLACK-AND-WHITE BECARD (Pachyramphus albogriseus)

## Vireonidae (Vireos, Shrike-Babblers, and Erpornis)

RUFOUS-BROWED PEPPERSHRIKE (Cyclarhis gujanensis)

**OLIVACEOUS GREENLET** (Hylophilus olivaceus) – A bird was part of a mixed flock at the llantaria where its olive hues glowed, overpowering all the tanagers.

SLATY-CAPPED SHRIKE-VIREO (Vireolanius leucotis) – A fine view of this large vireo near the Tarapoto tunnel.

TAWNY-CROWNED GREENLET (Tunchiornis ochraceiceps) [\*]

**DUSKY-CAPPED GREENLET** (Pachysylvia hypoxantha)

**BROWN-CAPPED VIREO** (Vireo leucophrys) – Like our Warbling Vireo, this flock member was along the road near Venceremos.

**RED-EYED VIREO** (Vireo olivaceus)

### Corvidae (Crows, Jays, and Magpies)

WHITE-COLLARED JAY (Cyanolyca viridicyanus) – A great experience with a pair at Owlet Lodge.

GREEN JAY (INCA) (Cyanocorax yncas yncas) - Sometimes separated from the Middle American bird and called Inca Jay.

### Hirundinidae (Swallows)

BLUE-AND-WHITE SWALLOW (Pygochelidon cyanoleuca)

WHITE-BANDED SWALLOW (Atticora fasciata) – Usually along Amazonian rivers, but it seems to shun them here, and can be found in foothill habitats.

SOUTHERN ROUGH-WINGED SWALLOW (Stelgidopteryx ruficollis)

**GRAY-BREASTED MARTIN** (Progne chalybea)

# Troglodytidae (Wrens)

SCALY-BREASTED WREN (SOUTHERN) (Microcerculus marginatus marginatus) – A bird showed for some at the Tarapoto tunnel.

**GRAY-MANTLED WREN** (Odontorchilus branickii) – A canopy wren that sounds like a warbler and acts like a Black-and-white Warbler.

**HOUSE WREN** (Troglodytes aedon)

MOUNTAIN WREN (Troglodytes solstitialis)

**THRUSH-LIKE WREN** (Campylorhynchus turdinus) – Related to our Cactus Wren, these monsters are bromiliad specialists in the canopy of tropical forests and edge. What a song!

CORAYA WREN (Pheugopedius coraya) – A pair put in a brief viewing at Santa Elena.

SPECKLE-BREASTED WREN (MARAON) (Pheugopedius sclateri) - Great views of this wren at Huembo.

SHARPE'S WREN (Cinnycerthia olivascens) – Several pairs along the trails at Owlet Lodge.

WHITE-BREASTED WOOD-WREN (Henicorhina leucosticta)

**BAR-WINGED WOOD-WREN** (Henicorhina leucoptera) – After a mostly-skunked effort, we got good views of this local near-endemic on the morning of our last full day.

**GRAY-BREASTED WOOD-WREN** (Henicorhina leucophrys)

### Polioptilidae (Gnatcatchers)

**TROPICAL GNATCATCHER (TROPICAL)** (Polioptila plumbea parvirostris) – This form is the western Amazonian subspecies. I believe Tropical Gnatcatcher is the topic of several studies, and will likely be split up in the near future... so keep an ear to the ground.

## <u>Donacobiidae (Donacobius)</u>

**BLACK-CAPPED DONACOBIUS** (Donacobius atricapilla) – A snazzy and unique bird we enjoyed in the Mayo marshes.

## Turdidae (Thrushes and Allies)

ANDEAN SOLITAIRE (Myadestes ralloides) - A couple good views in the cloud forest.

SLATY-BACKED NIGHTINGALE-THRUSH (Catharus fuscater) [\*]

PALE-BREASTED THRUSH (Turdus leucomelas)

HAUXWELL'S THRUSH (Turdus hauxwelli) [\*]

VARZEA THRUSH (Turdus sanchezorum) – A bird I have some history with, I was a coauthor on the description only a few years ago. Thanks to Jesse's suggestion, we called one in at Santa Elena for pretty good views.

BLACK-BILLED THRUSH (Turdus ignobilis)

GREAT THRUSH (Turdus fuscater gigantodes)

WHITE-NECKED THRUSH (GRAY-FLANKED) (Turdus albicollis spodiolaemus) [\*]

Parulidae (New World Warblers)

TROPICAL PARULA (Setophaga pitiayumi)

THREE-STRIPED WARBLER (THREE-STRIPED) (Basileuterus tristriatus tristriatus)

**BLACK-CRESTED WARBLER** (Myiothlypis nigrocristata) – Nice views of this attractive warbler around our hotel at Pomacochas.

RUSSET-CROWNED WARBLER (Myiothlypis coronata inaequalis)

**SLATE-THROATED REDSTART** (Myioborus miniatus)

SPECTACLED REDSTART (Myioborus melanocephalus)

Thraupidae (Tanagers and Allies)

**BLACK-FACED TANAGER** (Schistochlamys melanopis)

MAGPIE TANAGER (Cissopis leverianus) – Well named!

WHITE-CAPPED TANAGER (Sericossypha albocristata) – These loud, jay-like tanagers put on a fine show for us at Alto Nieva.

GRAY-HOODED BUSH TANAGER (Cnemoscopus rubrirostris)

**RUFOUS-CHESTED TANAGER** (Thlypopsis ornata)

YELLOW-CRESTED TANAGER (Tachyphonus rufiventer)

WHITE-LINED TANAGER (Tachyphonus rufus)

**BLACK-BELLIED TANAGER** (Ramphocelus melanogaster) – Called "Huallaga Tanager" by some authorities, this replaces the Silver-beaked in the Mayo valley (but not, ironically, along the Huallaga river). [E]

SILVER-BEAKED TANAGER (Ramphocelus carbo)

**VERMILION TANAGER** (Calochaetes coccineus) – A very red tanager we enjoyed near Venceremos.

GRASS-GREEN TANAGER (Chlorornis riefferii) – A very green tanager we enjoyed around Owlet Lodge.

BLUE-WINGED MOUNTAIN-TANAGER (Anisognathus somptuosus)

YELLOW-THROATED TANAGER (Iridosornis analis)

YELLOW-SCARFED TANAGER (Iridosornis reinhardti) - An endemic we saw near Owlet Lodge. [E]

ORANGE-EARED TANAGER (Chlorochrysa calliparaea bourcieri) – Deep bottle green.

**BLUE-GRAY TANAGER** (Thraupis episcopus)

PALM TANAGER (Thraupis palmarum)

BLUE-CAPPED TANAGER (Thraupis cyanocephala)

SILVERY TANAGER (Tangara viridicollis)

**GREEN-THROATED TANAGER** (Tangara argyrofenges) – Much like the last species in its appearance, we saw it above Venceremos our last morning in the Abra Patricia area.

BURNISHED-BUFF TANAGER (Tangara cayana) - A nice view of a male at the bus near Arenas Blancas.

MASKED TANAGER (Tangara nigrocincta)

BLUE-NECKED TANAGER (Tangara cyanicollis caeruleocephala)

YELLOW-BELLIED TANAGER (Tangara xanthogastra) - Great views from the hummingbird tower at Waqanki.

**SPOTTED TANAGER** (Tangara punctata)

BLUE-AND-BLACK TANAGER (Tangara vassorii branickii)

BERYL-SPANGLED TANAGER (Tangara nigroviridis)

METALLIC-GREEN TANAGER (Tangara labradorides)

TURQUOISE TANAGER (Tangara mexicana) - Not turquoise in color, nor found in Mexico... perhaps one of the worst-named birds in history!

PARADISE TANAGER (Tangara chilensis) – Similar to the last, this tanager is not known from Chile. What was going on with taxonomists back then?!

**OPAL-CROWNED TANAGER** (Tangara callophrys)

BAY-HEADED TANAGER (Tangara gyrola)

SAFFRON-CROWNED TANAGER (Tangara xanthocephala venusta)

FLAME-FACED TANAGER (Tangara parzudakii) - A real stonker we saw several times at higher elevations.

GREEN-AND-GOLD TANAGER (Tangara schrankii)

GOLDEN TANAGER (Tangara arthus pulchra)

**SWALLOW TANAGER** (Tersina viridis)

BLACK-FACED DACNIS (Dacnis lineata)

BLUE DACNIS (Dacnis cayana)
PURPLE HONEYCREEPER (Cyanerpes caeruleus)

CAPPED CONEBILL (Conirostrum albifrons)

WHITE-SIDED FLOWERPIERCER (Diglossa albilatera) [I]

RUSTY FLOWERPIERCER (Diglossa sittoides)

**DEEP-BLUE FLOWERPIERCER** (Diglossa glauca) [\*]

BLUISH FLOWERPIERCER (Diglossa caerulescens)

MASKED FLOWERPIERCER (Diglossa cyanea)

SAFFRON FINCH (Sicalis flaveola) - This species has been introduced to the Tarapoto area from the Peruvian coast. [I]

BLUE-BLACK GRASSQUIT (Volatinia jacarina)

**CHESTNUT-BELLIED SEEDEATER** (Sporophila castaneiventris)

CHESTNUT-BELLIED SEED-FINCH (Sporophila angolensis)

BLACK-BILLED SEED-FINCH (Sporophila atrirostris) – A nice male with oversized bill showed well in the Mayo marshlands.

BANANAQUIT (Coereba flaveola)

YELLOW-SHOULDERED GROSBEAK (Parkerthraustes humeralis) – A good bird! This grosbeak was part of the mixed flock at the Koepcke's Hermit reserve.

**BUFF-THROATED SALTATOR** (Saltator maximus)

**STREAKED SALTATOR** (Saltator striatipectus peruvianus)

SLATE-COLORED GROSBEAK (Saltator grossus) [\*]

Emberizidae (Buntings and New World Sparrows)

ASHY-THROATED CHLOROSPINGUS (Chlorospingus canigularis)

**COMMON CHLOROSPINGUS** (Chlorospingus flavopectus)

YELLOW-BROWED SPARROW (Ammodramus aurifrons)

**ORANGE-BILLED SPARROW** (Arremon aurantiirostris spectabilis) – Nice views of this often very skulky sparrow at Arenas Blancas.

CHESTNUT-CAPPED BRUSHFINCH (Arremon brunneinucha)

RUFOUS-COLLARED SPARROW (Zonotrichia capensis)

YELLOW-BREASTED BRUSHFINCH (Atlapetes latinuchus) – Split from Rufous-naped Brushfinch, it has had several English names proposed, including this one and "Cloudforest Brushfinch" (used by the IOC checklist).

#### Cardinalidae (Cardinals and Allies)

HEPATIC TANAGER (HIGHLAND) (Piranga flava lutea)

WHITE-WINGED TANAGER (Piranga leucoptera) - Like a Scarlet Tanager with bold wingbars.

**CARMIOL'S TANAGER (YELLOW-LORED)** (Chlorothraupis carmioli frenata) [\*]

GOLDEN GROSBEAK (Pheucticus chrysogaster) – A pair showed well at Pomacochas.

#### Icteridae (Troupials and Allies)

PERUVIAN MEADOWLARK (Sturnella bellicosa) – Also at Pomacochas.

PALE-EYED BLACKBIRD (Agelasticus xanthophthalmus) – Only described to science in 1979, it is only known from about 10 sites or so in Ecuador and Peru

SHINY COWBIRD (Molothrus bonariensis)

GIANT COWBIRD (Molothrus oryzivorus)

**EPAULET ORIOLE (MORICHE)** (Icterus cayanensis chrysocephalus)

ORANGE-BACKED TROUPIAL (Icterus croconotus croconotus)

YELLOW-BILLED CACIQUE (Amblycercus holosericeus) [\*]

SCARLET-RUMPED CACIQUE (SUBTROPICAL) (Cacicus uropygialis uropygialis)

YELLOW-RUMPED CACIOUE (Cacicus cela)

MOUNTAIN CACIQUE (GOLDEN-SHOULDERED) (Cacicus chrysonotus peruvianus)

RUSSET-BACKED OROPENDOLA (Psarocolius angustifrons)

CRESTED OROPENDOLA (Psarocolius decumanus)

# Fringillidae (Finches, Euphonias, and Allies)

PLUMBEOUS EUPHONIA (Euphonia plumbea) – All right! Our last new bird, and François' 2000th!

PURPLE-THROATED EUPHONIA (Euphonia chlorotica)

THICK-BILLED EUPHONIA (Euphonia laniirostris)

GOLDEN-RUMPED EUPHONIA (Euphonia cyanocephala)

BRONZE-GREEN EUPHONIA (Euphonia mesochrysa)

ORANGE-BELLIED EUPHONIA (Euphonia xanthogaster)

BLUE-NAPED CHLOROPHONIA (Chlorophonia cyanea)

CHESTNUT-BREASTED CHLOROPHONIA (Chlorophonia pyrrhophrys) – A handsome finch relative we drank in on an evening walk at Owlet Lodge.

LESSER GOLDFINCH (Spinus psaltria)

HOODED SISKIN (Spinus magellanicus)

**OLIVACEOUS SISKIN** (Spinus olivaceus)

### Passeridae (Old World Sparrows)

HOUSE SPARROW (Passer domesticus) [I]

# **MAMMALS**

SADDLEBACK TAMARIN (Saguinus fuscicollis)

COMMON SQUIRREL MONKEY (Saimiri sciureus)

PERUVIAN NIGHT MONKEY (Aotus miconax) – Jesse almost pulled off calling this a Rufous-banded Owl...

DUSKY TITI MONKEY (RIO MAYO) (Callicebus moloch oenanthe) – Heard only, but very local and endangered. [\*]

**BOLIVIAN SQUIRREL** (Sciurus ignitus)

TAYRA (Eira barbara) – A local celebrity by now.

# ADDITIONAL COMMENTS

Peruvian Bamboo Rat (Dactylomys peruvianus): heard on successful owlet night.

Tinamou mouse: mouse at Brown Tinamou spot.

Orchid Crab Spider: amazing pink and white spider at Koepcke's Hermit spot.

Green-and-black Poison Dart Frog (Phyllobates trivirgatus): also at that spot.

Totals for the tour: 435 bird taxa and 7 mammal taxa