# Report on a bird survey at PROCOSARA in the forest of San Rafael NP Paraguay

February-March 2008

# **B.W.J.** Oosterbaan



Tukâ pakova, 9-3-2008

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#### Introduction

This is a report on a bird survey which was carried out under the assignment as a volunteer during the period of February 24<sup>th</sup> to March 18<sup>th</sup> 2008. The project was made possible by ECOSARA, part of PROCOSARA, (<a href="www.faunaparaguay.com/ecosara.html">www.faunaparaguay.com/ecosara.html</a>). As a volunteer you're pretty much free to do what you like, so the main objective was to do as many observations on birds (and mammals) as possible.

#### Methods

Birds were inventoried using auditory and visual encounter surveys, complemented with opportunistic observations. Only birds accurately identified by myself qualified as positive recordings. For identification the *Birds of Southern South America and Antarctica* (de la Peña & Rumboll, 1998) was used, complemented with pictures of the *Handbooks of the Birds of the World* (del Hoyo *et al.*, 1992-2007). The database of ECOSARA (photo's and sounds) was used for reference too. For viewing birds binoculars (10x42) were used.

Locations and trails are shown in figure 1. All trails at PROCOSARA have been visited several times. They are situated in the southernmost part of the forest of National Park San Rafael. The most distant points are at circa 5 kilometers north of the compound (measured in a straight line). In table 1 an overview is given of the length of the trails, both starting from the compound as well as the trail length *sensu stricto*. The total area covered is about 400 hectares of forest and marsh.

Table 1. Trails and time s	spent.
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Location	distance (km)	times	duration (hours)	total (hours)
Garden and around lake	ca 2.3	15	2.5	32
Sendero Suruku'a Sa'yju	1.1 (0.7 ss)	12	1.0	1
Sendero Urutau	2.6 (1.3 ss)	14	2.0	14
Sendero Chachí	6.3 (3.0 ss)	17	4.5	107
Sendero Tukâ Pakova	4.7 (0.9 ss)	8	2.0	16
Total	ca 17.0			170

Surveys mostly took place during daytime hours, with an emphasis on early mornings and late afternoons. About half the time surveys were carried out in the company of others. In total 170 hours of effective bird watching were done, this is approximately seven hours a day. The time spent watching birds during breakfast, lunch, resting and so on is not given.

The exact GPS coordinates at the compound (middle of the garden) are S  $26^{\circ}38'15.9"$  - W  $55^{\circ}39'50.3"$ , 299 m.

The weather was generally good (about 30°C, little or no wind and some clouds). The first week was very humid with some thunderstorms and rain. The last week austral autumn started with colder nights, clear sunny skies and some wind, which wasn't particularly good for birding.

# The area

Most time was spent in the forest. The forest at San Rafael is lowland Atlantic rainforest. This habitat is severely threatened by logging and converting to grasslands or soy fields. In Brazil little Atlantic rainforest is left, only a few remnants hold out at steep slopes on hillsides. In Paraguay two larger patches of Atlantic forest remain: Mbaracayu and San Rafael.

The forest around the compound is good secondary forest. The biggest trees are gone here, but the structure of the forest is more or less intact. At several places inside the forest there are natural open areas. These swamps, for instance at Tukâ Pakova, are covered with Bamboo (*Chusquea sp.*). At the western edge of the forest there's a Pine plantation (*Pinus sp.*) and a Tungs plantation. Everywhere outside the forest vast areas are covered with soy. Birds (or other living things) do not occur here, biodiversity is close to one species.

There is also some disturbance in the forest: illegal cutting of trees, illegal hunting, settlers (especially farther north in San Rafael).

A detailed map of the area around the compound and around the lake is given in figure 2.

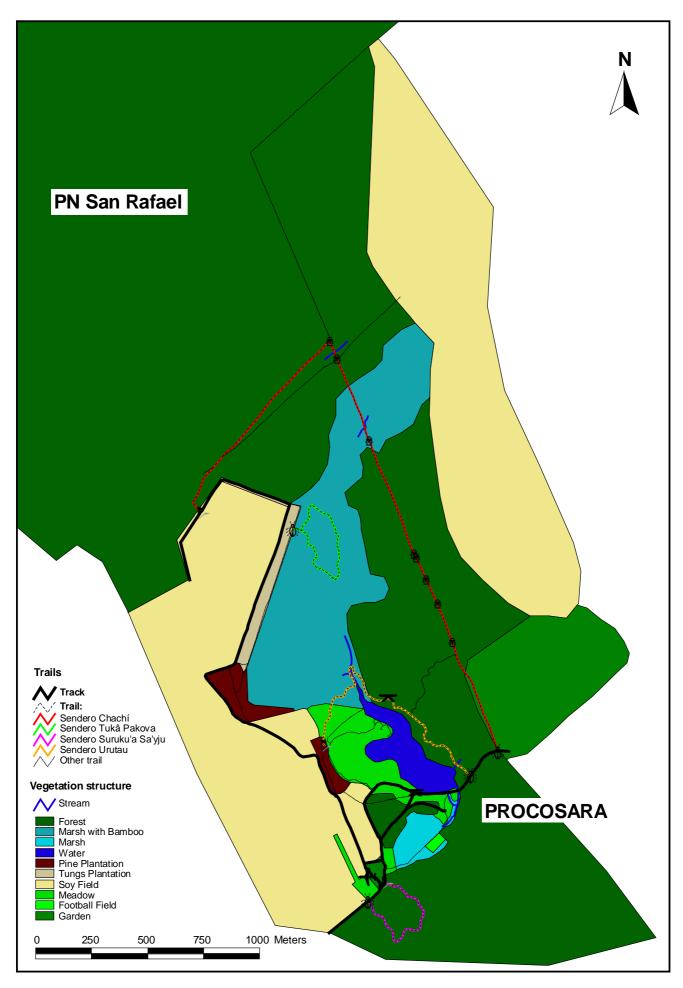


Figure 1. Simplified vegetation structure map with the trails at PROCOSARA.

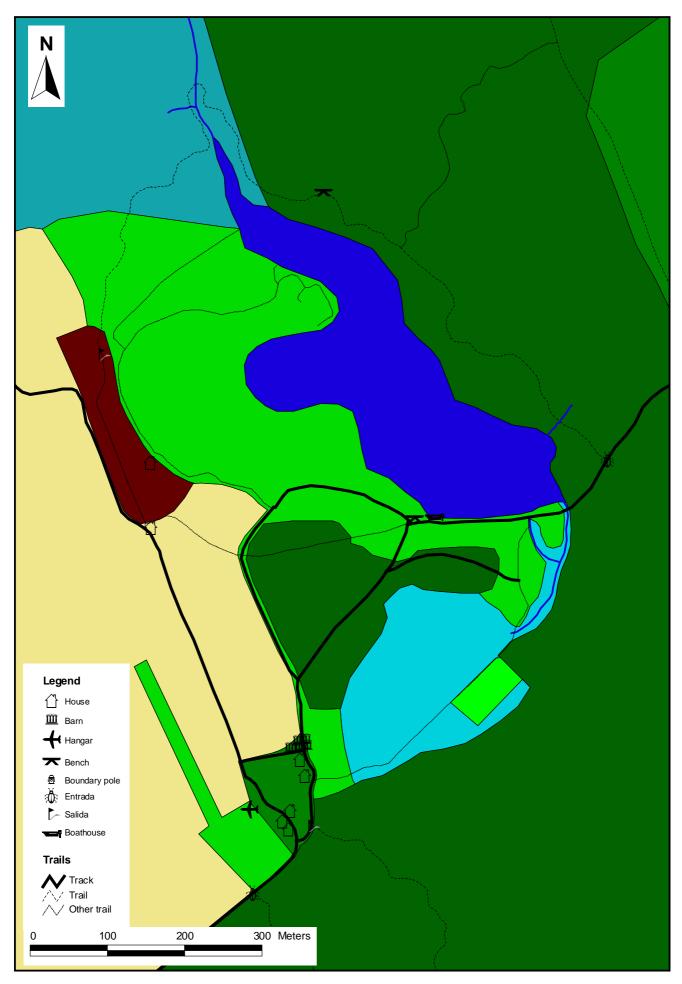


Figure 2. Area around the lake and the garden at PROCOSARA.

#### Results

The results of the bird survey are given in the table on the following pages.

For every species the English, scientific and Spanish name is given, mostly according to the *Handbook of the Birds of the World* (del Hoyo *et al.*, 1992-2007). IUCN is the IUCN category for threatened birds of the world (NT means Near-threatened). Finally the recorded larger mammals are given (Emmons & Feer, 1997).

Abundance indices indicate abundance estimates for all birds encountered at the 5 different locations, see table.

Abunda	Abundance estimates for birds at PROCOSARA						
Α	A Abundant more than 20 individuals encountered daily						
С	Common	more than 5 and less than 20 individuals encountered daily					
F	Fairly common less than 5 individuals encountered daily						
U	Uncommon small numbers recorded, but not encountered daily						
R	Rare	very scarce, fewer than 5 individuals recorded during survey					
Х		species recorded, status uncertain					

Some comment on the observations is given for 'special' birds in the section below. A total of 172 species were recorded at PROCOSARA, out of more than 415 ever recorded here. Of course some bird species could not be identified and also some sounds could not be assigned to a species. The total list reflects what can be expected at this time of the year when birding at one location without knowing all the sounds.

The most species rich parts are found around the lake (good visibility, different habitats) and along the Chachí (good forest). The Suruku'a Sa'yju and the Tukâ Pakova are a bit under recorded. Often these trails were visited at a less favourable time of the day.

# **Birds**

#### **Tinamous**

The **Brown Tinamou** was heard far more often than seen. One crossed the Urutau on 25-2-2008, one was flushed on the Chachí. The **Tataupa Tinamou** was heard regularly too. A nesting bird was present at the start of the Urutau on 25-2-2008, close to the main track. The nest contained five eggs and was situated in secondary vegetation. Unfortunately, after a week the nest was disturbed by one of the guards. After returning three eggs to the nest the female Tataupa Tinamou continued breeding, but in the afternoon of 8-3-2008 the nest was plundered by an animal.

# **Rusty-margined Guan**

Two very shy individuals were seen on 3-3-2008 and again on 4-3-2008 at the Chachí.

#### **Parrots**

**Maroon-**(or Reddish-) **bellied Parakeet** and **Scaly-headed Parrot** were common, with flocks flying over the forest at the lake. **White-eyed** and **Yellow-chevroned** (or Canary-winged) **Parakeet** were seen only occasionally.

#### **Nightjars**

A **Common Potoo** was found resting near the lake on 27-2-2008. **Semi-collared** (or Short-tailed) **Nighthawk** was flying over the forest at dusk almost daily, sometimes in the company of **Common Nighthawk**. A Common Nighthawk was found near the lake during the day resting on a branch on 5-3-2008 and was also present the next day. **Pauraque** was flushed off the track at the western border of the forest during an evening walk.

#### **Toucans**

The **Saffron Toucanet** is considered Near-threatened by BirdLife International. Three individuals were first seen on 8-3-2008 on the Suruku'a Sa'yju. The birds stayed in the neighbourhood and were seen again the next morning. In the afternoon four individuals paid a visit to the garden foraging on a small fruiting tree (again on the 10th). A flock of about six birds were seen north of the Chachí on 12-3-2008 and on the next day. The **Redbreasted Toucan** was seen several times in small flocks, mostly halfway the Chachí near some fruiting trees, but sometimes at the Urutau. **Chestnut-eared Araçari** sometimes accompanied the Red-breasted Toucan. Despite many attempts, making imitations of its sound, the Spot-billed Toucanet could not be found.

# Woodpeckers

Nine species of woodpecker were seen in the forest, especially at the northern part of the lake (a lot of dead trees with nesting and sleeping holes). Most are fairly common, but a small group of the **White Woodpecker** was seen only once on 29-2-2008 and a female **Blond-crested Woodpecker** only on 8-3-2008. The **Robust Woodpecker** was found several times, but the Helmeted Woodpecker could not be found.

### **Sharp-tailed Streamcreeper**

This nice bird was first seen at the crossing of the stream on the Urutau on 25-2-2008 and again on 4-3-2008. On 2-3-2008 a bird was seen very well at the lower end of the lake. Another observation was made near a little stream far north of the Chachí on 29-2-2008.

#### **Sharpbill**

Only seen once between the Urutau and the Chachí on 7-3-2008. The bird was foraging together with a canopy flock of tanagers.

#### **Red-ruffed Fruitcrow**

This beautiful bird was seen very well on 4-3-2008 halfway the Chachí. It was sitting high up in a fruiting tree together with some Chestnut-eared Araçari and Red-breasted Toucan. On 11-3-2008 another one was seen on the Chachí.

### **Bay-ringed Tyrannulet**

Two birds were foraging high up in the canopy on the Chachí on 11-3-2008. It is considered Near-threatened by BirdLife International, because it's habitat lowland Atlantic forest is being destroyed.

#### Southern Bristle-tyrant

This species is also considered Near-threatened by BirdLife International. The first one was seen on the Suruku'a Sa'yju on 2-3-2008. The species was seen again at the northern part of the Chachí on 4-3-2008 and on 14-3-2008.

#### **Blackish-blue Seedeater**

Two females of this Near-threatened bird were observed on 7-3-2008 at the Bamboo part of the Urutau (northwest of the lake). A male and female were seen by Paul Smith the day before.

### **Uniform Finch**

This bird was seen almost daily on the Chachí and on the Tukâ Pakova. At places with a lot of Bamboo males were singing and displaying. Occasionally a female was seen. Along the Chachí at least twelve males were singing and along the Tukâ Pakova at least five.

# **Mammals**

### **Tufted Capuchin**

Seen (or heard) almost daily around the Chachí. Most times they were very shy and fled deeper into the forest as soon as they noticed human presence. Group size is about twelve individuals, including mothers with babies. One group stayed halfway the Chachí, another group at the northern end of the Chachí. A third group was present at the most northerly visited part.

#### **Red Brocket Deer**

One individual crossed the Chachí early morning on 28-2-2008.

#### Capybara

Seen several times at the northern part of the lake, early morning or just before dark. The largest group consisted of at least 12 individuals. On 8-3-2008 a mother and young crossed the Urutau.

#### Azara's Agouti

Only one individual seen on the Urutau in the late afternoon on 4-3-2008.

Other mammals include foraging bats at the lake.

				First date			Sendero		
English name	Latin name	Spanish name	IUCN	PROCOSARA	Lake	Suruku'a sa'yju	Urutau	Chachí	Tukâ Pakova
Brown Tinamou	Crypturellus obsoletus	Tataupá rojizo		25-2-2008		F	F	F	
Tataupa Tinamou	Crypturellus tataupa	Tataupá		25-2-2008			F	F	
Pied-billed Grebe	Podilymbus podiceps	Macá pico grueso		26-2-2008	F				
Neotropic Cormorant	Phalacrocorax olivaceus	Cormoran		24-2-2008	С		С		
Whistling Heron	Syrigma sibilatrix	Garza silbadora		25-2-2008	F				
Snowy Egret	Egretta thula	Garcita blanca		25-2-2008	R				
Green-backed Heron	Butorides striatus	Garcita azulada		24-2-2008	R				
Black-crowned Night-heron	Nycticorax nycticorax	Garza bruja		25-2-2008	U				
Rufescent Tiger-heron	Tigrisoma lineatum	Hocó colorado		25-2-2008	F		U		
Brazilian Teal	Amazonetta brasiliensis	Alita azul		24-2-2008	С				
Turkey Vulture	Cathartes aura	Cuervo cabeza roja		24-2-2008	F		F	F	
American Black Vulture	Coragyps atratus	Cuervo negro		24-2-2008	F		F		
Grey-headed Kite	Leptodon cayanensis	Milano cabeza gris		6-3-2008				R	
American Swallow-tailed Kite	Elanoides forficatus	Milano tijereta		1-3-2008	R				
Roadside Hawk	Buteo magnirostris	Taguató		28-2-2008				U	
Short-tailed Hawk	Buteo brachyurus	Aguilucho cola corta		25-2-2008	R				
Crested Caracara	Polyborus plancus	Carancho		28-2-2008				U	U
American Kestrel	Falco sparverius	Halconcito		24-2-2008	U				
Rusty-margined Guan	Penelope superciliaris	Pava de monte chica		3-3-2008				U	
Spot-winged Wood-quail	Odontophorus capueira	Urú		28-2-2008		U		F	
Slaty-breasted Wood-rail	Aramides saracura	Saracura		6-3-2008	F	F		F	
Blackish Rail	Pardirallus nigricans	Gallineta negruzca		6-3-2008	U				
Common Moorhen	Gallinula chloropus	Polla negra		24-2-2008	F				
Wattled Jacana	Jacana jacana	Jacana		17-3-2008	R				
Southern Lapwing	Vanellus chilensis	Tero tero		24-2-2008	F				
Rock Pigeon	Columba livia	Paloma casera	Int	24-2-2008	С				
Picazuro Pigeon	Columba picazuro	Paloma turca		26-2-2008	F	F			F
Pale-vented Pigeon	Columba cayennensis	Paloma colorada		7-3-2008	U				
Eared Dove	Zenaida auriculata	Torcaza		24-2-2008	F				
Ruddy Ground-dove	Columbina talpacoti	Tortolita colorada		24-2-2008	F.				
Picui Dove	Columbina picui	Tortolita		26-2-2008	F				
White-tipped Dove	Leptotila verreauxi	Yerutí		24-2-2008	F			F	
Grey-fronted Dove	Leptotila rufaxilla	Yerutí colorada		13-3-2008				U	
White-eyed Parakeet	Aratinga leucophthalmus	Maracaná ala roja		12-3-2008				U	
Maroon-bellied Parakeet	Pyrrhura frontalis	Chiripepé cabeza verde		28-2-2008				С	F
Yellow-chevroned Parakeet	Brotogeris chiriri	Catita chiriri		25-2-2008	U				•
Scaly-headed Parrot	Pionus maximiliani	Loro choclero		24-2-2008	F		С	С	
Squirrel Cuckoo	Piaya cayana	Tingazú		25-2-2008			F	F	
Greater Ani	Crotophaga major	Anó grande		25-2-2008	С		С	F	
Smooth-billed Ani	Crotophaga ani	Anó chico		24-2-2008	C				
Guira Cuckoo	Guira guira	Piririta		24-2-2008	C		F		
Common Barn-owl	Tyto alba	Lechuza de campanario		28-2-2008	U				
Tropical Screech-owl	Otus choliba	Lechucita		28-2-2008	- 0		U		
	Glaucidium brasilianum	Caburé			U		F	U	
Ferruginous Pygmy-owl Common Potoo	Nyctibius griseus	Urutaú		28-2-2008 27-2-2008	R			- 0	
		Añapero castaño			U		U		U
Semi-collared Nighthawk	Lurocalis semitorquatus	<u> </u>		28-2-2008	F		U		F
Common Nighthawk	Chordeiles minor	Añapero boreal		24-2-2008					F
Pauraque	Nyctidromus albicollis	Curiango		28-2-2008					г
Grey-rumped Swift	Chaetura cinereiventris	Vencejo chico		4-3-2008			U		
Ashy-tailed Swift	Chaetura andrei	Vencejo de tormenta		25-2-2008	C				
Scale-throated Hermit	Phaethornis eurynome	Ermitaño escamado		25-2-2008	F		F	F	
Black-throated Mango	Anthracothorax nigricollis	Picaflor vientre negro		26-2-2008	U				
Plovercrest	Stephanoxis lalandi	Picaflor copetón		26-2-2008			F	F	U
Glittering-bellied Emerald	Chlorostilbon aureoventris	Picaflor verde		4-3-2008			U		
Black-throated Trogon	Trogon rufus	Surucuá amarillo		2-3-2008		U			
Surucua Trogon	Trogon surrucura	Surucuá		25-2-2008			F	F	
Amazon Kingfisher	Chloroceryle amazona	Martín pescador mediano		24-2-2008	F				
Saffron Toucanet	Baillonius bailloni	Arasarí banana	NT	8-3-2008	U	U		U	
Chestnut-eared Araçari	Pteroglossus castanotis	Arasarí fajado		4-3-2008				U	

English name	Latin name	Spanish name	IUCN	First date PROCOSARA	Lake	Suruku'a sa'yju	Sendero Urutau	Chachí	Tukâ Pakova
Red-breasted Toucan	Ramphastos dicolorus	Tucán pico verde		1-3-2008			U	U	
Ochre-collared Piculet	Picumnus temminckii	Carpinterito cuello canela		7-3-2008	U		U	U	
White Woodpecker	Melanerpes candidus	Carpintero blanco		29-2-2008	R				
Yellow-fronted Woodpecker	Melanerpes flavifrons	Carpintero arco iris		24-2-2008	F		F		
White-spotted Woodpecker	Veniliornis spilogaster	Carpinterito barrado		24-2-2008	F	U	F	F	
Green-barred Woodpecker	Colaptes melanochloros	Carpintero real		26-2-2008	U		U	U	
Campo Flicker	Colaptes campestris	Carpintero campestre		25-2-2008	F		U		
Blond-crested Woodpecker	Celeus flavescens	Carpintero copete amarillo		8-3-2008			R		
Lineated Woodpecker	Dryocopus lineatus	Carpintero garganta estriada		1-3-2008				R	
Robust Woodpecker	Campephilus robustus	Carpintero grande		25-2-2008		R		R	
Rufous Hornero	Furnarius rufus	Hornero		24-2-2008	F				
Rufous-capped Spinetail	Synallaxis ruficapilla	Pijuí corona rojiza		27-2-2008			F	F	
Grey-bellied Spinetail	Synallaxis cinerascens	Pijuí ceniciento		29-2-2008				U	
Yellow-chinned Spinetail	Certhiaxis cinnamomeus	Curutié colorado		29-2-2008	U				
Ochre-breasted Foliage-gleaner	Philydor lichtensteini	Ticotico ocráceo chico		24-2-2008	U		F	F	
Buff-fronted Foliage-gleaner	Philydor rufum	Ticotico ocráceo grande		26-2-2008		F	F	F	
White-eyed Foliage-gleaner	Automolus leucophthalmus	Ticotico ojo blanco		29-2-2008				U	
Sharp-tailed Streamcreeper	Lochmias nematura	Macuquiño		25-2-2008			U	R	
Plain Xenops	Xenops minutus	Picolezna chico		26-2-2008		U	U	- 11	
Plain-winged Woodcreeper	Dendrocincla turdina	Trepador pardo		11-3-2008			- 0	R	
		Tarefero		25-2-2008			U	U	U
Olivaceous Woodcreeper	Sittasomus griseicapillus						U		U
White-throated Woodcreeper	Xiphocolaptes albicollis	Trepador garganta blanca		29-2-2008				R F	
Planalto Woodcreeper	Dendrocolaptes platyrostris	Trepador oscuro		28-2-2008					
Lesser Woodcreeper	Xiphorhynchus fuscus	Chinchero enano		27-2-2008				U	
Scalloped Woodcreeper	Lepidocolaptes falcinellus	Chinchero escamado		1-3-2008		U			
Spot-backed Antshrike	Hypoedaleus guttatus	Batará goteado		1-3-2008		U		U	
Large-tailed Antshrike	Mackenziaena leachii	Batará pintado		5-3-2008			U		R
Tufted Antshrike	Mackenziaena severa	Batará copetón		27-2-2008				U	
Variable Antshrike	Thamnophilus caerulescens	Batará plomizo		26-2-2008			U	F	
Plain Antvireo	Dysithamnus mentalis	Batará amarillo		29-2-2008				U	
Black-capped Antwren	Herpsilochmus atricapillus	Tiluchí plomizo		14-3-2008				R	
Rufous-winged Antwren	Herpsilochmus rufimarginatus	Tiluchí ala rojiza		9-3-2008		U		U	
Dusky-tailed Antbird	Drymophila malura	Tiluchí estriado		27-2-2008				U	
White-shouldered Fire-eye	Pyriglena leucoptera	Batará negro		27-2-2008			U		
Short-tailed Antthrush	Chamaeza campanisona	Tovaca		3-3-2008		U		U	
Rufous Gnateater	Conopophaga lineata	Chupadientes		27-2-2008				F	U
Sharpbill	Oxyruncus cristatus	Picoagudo		7-3-2008				R	
Red-ruffed Fruitcrow	Pyroderus scutatus	Yacutoro		4-3-2008				R	
Blue Manakin	Chiroxiphia caudata	Bailarín azul		2-3-2008		R		F	U
Wing-barred Piprites	Piprites chloris	Bailarín verde		8-3-2008		U		U	
Greenish Mourner	Schiffornis virescens	Bailarín oliváceo		27-2-2008				R	
Rough-legged Tyrannulet	Phyllomyias burmeisteri	Mosqueta pico curvo		14-3-2008				R	
Grey Elaenia	Myiopagis caniceps	Fiofío ceniciento		1-3-2008	R				
Yellow Tyrannulet	Capsiempis flaveola	Mosqueta ceja amarilla		2-3-2008				U	
Mottle-cheeked Tyrannulet	Phylloscartes ventralis	Mosquetita		14-3-2008				R	
Bay-ringed Tyrannulet	Phylloscartes sylviolus	Mosquetita cara canela	NT	11-3-2008				R	
Southern Bristle-tyrant	Pogonotriccus eximius	Mosqueta media luna	NT	2-3-2008		R		U	
Sepia-capped Flycatcher	Leptopogon amaurocephalus	Cabezudo		4-3-2008			R		
Eared Pygmy-tyrant	Myiornis auricularis	Mosqueta enana		4-3-2008			U	U	
Drab-breasted Tody-tyrant	Hemitriccus diops	Mosqueta de anteojos		26-2-2008			U	F	
Ochre-faced Tody-flycatcher	Poecilotriccus plumbeiceps	Mosqueta cabeza canela		29-2-2008			U	U	
Yellow-olive Flycatcher	Tolmomyias sulphurescens	Picochato grande		26-2-2008			U		
White-throated Spadebill	Platyrinchus mystaceus	Picochato enano		28-2-2008				U	
Fuscous Flycatcher	Cnemotriccus fuscatus	Mosqueta ceja blanca		27-2-2008				U	
Vermilion Flycatcher	Pyrocephalus rubinus	Churrinche		1-3-2008	U				
	Colonia colonus				U		R		
Long-tailed Tyrant		Yetapá negro		24-2-2008			П		
Cattle Tyrant	Machetornis rixosa	Caballerizo		24-2-2008	U				
Social Flycatcher	Myiozetetes similis	Pitogüé mediano		24-2-2008	F				
Great Kiskadee	Pitangus sulphuratus	Pitogüé Pitogüé chico		24-2-2008 8-3-2008			C U		

English name	Latin name	Spanish name	IUCN	First date PROCOSARA	Lake	Suruku'a sa'yju	Sendero Urutau	Chachí	Tukâ Pakova
Streaked Flycatcher	Myiodynastes maculatus	Pitogüé rayado		24-2-2008	F				
Boat-billed Flycatcher	Megarynchus pitangua	Ñei ñei		24-2-2008	С		С		
Variegated Flycatcher	Empidonomus varius	Tuquito chorreado		27-2-2008			U		
Tropical Kingbird	Tyrannus melancholicus	Juan Caballero		24-2-2008	С			F	
Fork-tailed Flycatcher	Tyrannus savana	Tijereta		24-2-2008	F				
Sirystes	Sirystes sibilator	Suiriri silbón		3-3-2008		U		U	
Short-crested Flycatcher	Myiarchus ferox	Burlisto pico negro		25-2-2008			U		
Black-crowned Tityra	Tityra inquisitor	Tueré chico		24-2-2008	F		F		
Black-tailed Tityra	Tityra cayana	Tueré grande		24-2-2008	F		F		
Green-backed Becard	Pachyramphus viridis	Anambé verdoso		10-3-2008					R
Chestnut-crowned Becard	Pachyramphus castaneus	Anambé castaño		5-3-2008			R		
Plain Becard	Pachyramphus validus	Anambé grande		26-2-2008	R				
Grey-breasted Martin	Progne chalybea	Golondrina doméstica		24-2-2008	Α				
Cliff Swallow	Petrochelidon pyrrhonota	Golondrina rabadilla canela		24-2-2008	F				
Southern House Wren	Troglodytes musculus	Ratona		24-2-2008	F				
Pale-breasted Thrush	Turdus leucomelas	Zorzal alas canelas		26-2-2008	F				
Rufous-bellied Thrush	Turdus rufiventris	Zorzal colorado		26-2-2008	F				
Plush-crested Jay	Cyanocorax chrysops	Urraca		24-2-2008	F.	F	F	F	
Rufous-browed Peppershrike	Cyclarhis gujanensis	Juan chiviro		7-3-2008	•		U	U	
Rufous-crowned Greenlet	Hylophilus poicilotis	Chiví coronado		6-3-2008				U	
Red-eyed Vireo	Vireo olivaceus	Chiví		11-3-2008				R	
Golden-crowned Warbler	Basileuterus culicivorus	Arañero coronado		24-2-2008	С		С	С	С
White-rimmed Warbler	Basileuterus leucoblepharus	Arañero silbón		25-2-2008	C	С	С	С	С
River Warbler	Basileuterus rivularis	Arañero ribereño				C	U	C	C
				4-3-2008			U		
Masked Yellowthroat	Geothlypis aequinoctialis	Arañero cara negra		26-2-2008	U				
Tropical Parula	Parula pitiayumi	Pitiayumí		26-2-2008	F		F	F	
Blue-naped Chlorophonia	Chlorophonia cyanea	Tangará bonito		28-2-2008	R				R
Magpie Tanager	Cissopis leveriana	Frutero overo		25-2-2008			F	U	
Chestnut-vented Conebill	Conirostrum speciosum	Mielerito azul		1-3-2008	U	U	U		
Blue Dacnis	Dacnis cayana	Saí azul		4-3-2008			U	U	
Purple-throated Euphonia	Euphonia chlorotica	Tangará		8-3-2008	U				
Chestnut-bellied Euphonia	Euphonia pectoralis	Tangará alcalde		6-3-2008		R		U	
Red-crowned Ant-tanager	Habia rubica	Fueguero morado		28-2-2008		U	F	F	
Guira Tanager	Hemithraupis guira	Saíra dorada	-	27-2-2008	F	F	F	F	F
Chestnut-headed Tanager	Pyrrhocoma ruficeps	Frutero cabeza castaña		27-2-2008				U	
Ruby-crowned Tanager	Tachyphonus coronatus	Frutero coronado		26-2-2008	F		F	F	F
Burnished-buff Tanager	Tangara cayana	Tangará pecho negro		6-3-2008				R	
Swallow Tanager	Tersina viridis	Tersina		25-2-2008	U		U		
Sayaca Tanager	Thraupis sayaca	Celestino		24-2-2008	U		U	U	
Black-goggled Tanager	Trichothraupis melanops	Frutero corona amarilla		25-2-2008			F	F	U
Blackish-blue Seedeater	Amaurospiza moesta	Reinamora enana	NT	7-3-2008			R		
Grassland Sparrow	Ammodramus humeralis	Chingolo ceja amarilla		1-3-2008	F				
Red-crested Finch	Coryphospingus cucullatus	Brasita de fuego		4-3-2008	R				
Uniform Finch	Haplospiza unicolor	Afrechero plomizo		28-2-2008				С	F
Saffron Finch	Sicalis flaveola	Canario paraguay		24-2-2008	U				
Double-collared Seedeater	Sporophila caerulescens	Corbatita		27-2-2008	U				
Rufous-collared Sparrow	Zonotrichia capensis	San Francisco		4-3-2008	U				
Unicoloured Blackbird	Agelaius cyanopus	Varillero negro		9-3-2008	U				
Red-rumped Cacique	Cacicus haemorrhous	Cacique		25-2-2008		U	U	F	
Golden-winged Cacique	Cacicus chrysopterus	Boyero ala amarilla		24-2-2008	F	U	F		
Chopi Blackbird	Gnorimopsar chopi	Chopí		12-3-2008	U			U	
Epaulet Oriole	Icterus cayanensis	Boyerito		4-3-2008	U				
Screaming Cowbird	Molothrus rufoaxillaris	Tordo pico corto		26-2-2008	U				
Total				172	88	26	66	85	19
Mammals									
	Cehus anollo	Mono capuchino marrón		28-2 2006				U	
Tufted Capuchin	Cebus apella	Mono capuchino marrón		28-2-2008					
Red Brocket Deer	Mazama americana	Venado rojo		28-2-2008				R	
Capybara	Hydrochoerus hydrochaeris	Capibara		29-2-2008	F		R R		

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