



PANAMA BIRD TRIP
3-22 Feb 2017

Introduction

Arranging company: Birding Panama (José Carlos Garcia)

Tour guide: Euclides "Kilo" Campos. The best bird guide in Panama.

Participants:

Bengt-Eric Sjölander, Grönhögen, Sweden.

Anders Lundquist, Gårdby, Sweden.

Nils Kjellén, Lund, Sweden.

Erling Jirle, Lund, Sweden.

Number of bird species recorded in the country: 969.

We recorded 586 bird species, 14 mammals, 7 reptiles and 2 frogs.

Major "dips" were Silvery-throated Jay, Sulphur-rumped Tanager and Sooty-faced Finch.

The trip records have been uploaded to iGoTerra.com and this trip report is available for download at Joerl Travels website; www.joerl.se/travelreports.html

The checklist used follows the IOC list, version 7.1.

Field handbook: Angehr, G. R. & Dean, R. *The Birds of Panama. A field guide.* Cornell University Press, 2010.

Panama is almost 600 km wide from NW to SE, but the Panama Canal at the isthmus is only 77 km long. The population is 4 million inhabitants, by whom almost 50% live in the Panama City area (> 2 mill.) The currency is Balboa, but US \$ is widely accepted, as well as Visa/MasterCard.

For more info about birdwatching localities, see Birding Panama at www.birdingpanama.com

Cover photo: Scintillant Hummingbird *Selasphorus scintilla* at Boquete Tree Trek. E. Jirle.

Itinerary and daily log - by Erling Jirle

3 Feb 2017

Bengt-Eric and Anders left Öland at midnight and drove to Malmö, then train to Copenhagen Airport at 4:00, while Erling and Nils had a 45 min train trip from Lund to Copenhagen Airport. First a short flight to Frankfurt, then a 11-hour flight Frankfurt – Panama City, where we were picked up at the airport at 20:00 by a Toyota Minivan and installed at Radisson Golf & Resort Hotel at the Gamboa Road.

4 Feb 2017 - Birding Day 1

After a nice breakfast at the hotel we met our guide for the trip, Euclides "Kilo" Campos, an excellent guide, who knew where to find the birds, all the calls, and he is also extremely good at spotting them in any habitat. The most common comment from Kilo was "look at the dot!" That's when he points out the bird with his strong green laser. We warmed up with 2 hours in the Metropolitan Park close to the hotel. This 265 ha reserve has an impressive bird list of 267 species. We saw the targets Panamanian Tyrannulet, Black-tailed Myiobius and Rosy Thrush-Tanager among many other species. The habitat is Caribbean slope wet forest.

Then we walked Old Gamboa Road for 2 hours and saw our first Isthmian Wrens, a recent split. We took a 2-hour lunch break at the hotel and visited Pipeline Road from 14:30 to 17:00. Pipeline Rd is especially good for antbirds despite being so close to a 2 mill. city. We only did the first kilometres of this road today.

5 Feb 2017

We left the hotel before dusk and drove along the Pipeline Road as far as you can go with a minivan; to the junction at Canopy Lodge. We had breakfast there waiting for the sun to come up, then at 6.45 we walked the Juan Grande Trail, the lower part of Pipeline Road, down to Río la Seda bridge at km 4.9. Here we turned back at 9:30 and walked back to the minivan, reaching it at 12:00. Pipeline is a very good birding spot, you get close to many birds, even some of the elusive antbirds, and with some patience you even get some good photos. The forest is mixed secondary and old growth Caribbean slope wet forest.

Birds we saw here were Black-breasted Puffbird, Spotted Antbird, Streak-chested Antpitta, Grey Elaenia, Brown-capped Tyrannulet, Black-capped Pygmy Tyrant, Blue Cotinga, Russet-winged Schiffornis,

We had lunch in town and some siesta at the hotel, then went to Old Gamboa 15-17. The weather was cloudy/partly cloudy. Old Gamboa road is situated in the southernmost part of the large Soberania National Park, on the Caribbean slope.

6 Feb 2017

After a nice big hotel breakfast, we left at 7:00 for Campo Chagres, a part of the big Chagres NP. In contrast to the sites visited the day before, this reserve is situated on the considerably drier Pacific slope. The birding here is easier, since the forest is less dense than Caribbean rainforest. My target species number one here was Pheasant Cuckoo, and we saw one just a few meters away and even got some nice photos. Bare-crowned Antbird was also seen.

For lunch, we went to the city centre and visited a type of restaurant we were going to visit many times during the trip; a lunch buffet restaurant where you choose 3 among many different warm dishes, and then add potatoes, salad etc. and pay a fixed price. Fast and efficient and often quite tasty food.

Since we did very well on our target species the previous days we visited a place not planned in the itinerary before the trip. That was the huge mudflats in the Panama Bay at Old Panama City, where the Pacific Ocean at low tide expose large mudflats with huge amounts of waders, gulls, tern and herons. Lesser Black-backed Gull, Dunlins and several others are considered rare here, I doubt they are really that rare.

In the late afternoon, we birded Summit Pond and other places along the Old Gamboa Road for a third time. Old Gamboa Road runs through semideciduous Caribbean slope forest.

7 Feb 2017

Today we left Panama City early. It takes over one hour to get out of the city, because of the heavy traffic. It often jams, especially at rush hour. They are also building a new metro line on pillars above the Pan-American highway which causes extra jam. We went eastwards along the Pan-American Highway, which starts in Alaska and ends at Darien Gap. The road becomes rather narrow, but has fairly good standard, and not that many potholes. We had breakfast along the road at a small cafeteria and then we birded Saint Francis Reserve first in the morning and then again 14:30–17:30. This reserve is a private forest reserve owned by an American, who has a big farm here. The forest covers an area of 1000 ha and the habitat is dry Pacific lowland forest. The trail up through the forest is wide but very steep. We got the targets Central American Pygmy Owl (good views), Scaly-breasted Hummingbird, Stripe-cheeked Woodpecker (a Panama endemic), Black Antshrike and Yellow-bellied Tyrannulet. The hotel this night and the night after returning from Darien Gap was Hotel Avicar in Torti. It has a nice garden and a good swimming pool. I spend some time there relaxing during the lunch break. They also have some hummer feeders, we got one target species on the feeders;

Snowy-bellied Hummingbird. The disadvantage of the hotel is that they don't provide Wi-Fi, very inconvenient at a well-known tourist hotel like this in a city.

8 Feb 2017

After an early breakfast, we birded along the small Torti River. The rest of the day we made frequent stops along the Pan-American Highway and got many new trip species. It was easy birding here except when you try to see a calling antbird. Other birds were Grey-cheeked Nunlet and Spot-crowned Barbet.

We had both lunch and dinner at a restaurant in the town Metetí, and also stayed overnight at a simple hotel here. But it was equipped with good air-con and working wifi.

9 Feb 2017

We did Pan-American Highway again in the morning from Metetí to Yaviza, where the road ends. This stretch of road is really a good birding spot, with many species, and fairly easy birding, today we saw 5 Black Oropendulas. To get further we entered a dug-out canoe with a powerful motor, a Yamaha 80 hp, and went along on Rio Chucunaque. The sun was very strong during mid day, some of us got very red. It took one hour to reach El Real at the south bank of the river. This is the entrance to Darien Gap. We were picked up by a 4WD pick-up, stopped for lunch at a small restaurant in El Real and then later were dropped off at the entrance road to Darien National Park. A horse took our luggage, we walked and birded the 3,5 km trail to the ranger station Rancho Frio where we were going to stay for two nights. In late afternoon we birded along one of the trails and saw Great Green Macaw. The short grass at Rancho Plastico unfortunately is home for big numbers of chiggers – we noticed that the day after when the ankles started to itch. The chiggers probably occur also elsewhere in the lowlands, but not so much up at Cerro Pirre.

10 February 2017

We started the morning with a short walk up to a Harpy Eagle nest with a pull at nest. Then we walked up along ridges and saw birds like Dull-mantled Antbird, Scaly-throated Leaf-tosser, Lemon-spectacled Tanager and at the top of a ridge we saw Viridian Dacnis. In the afternoon, we did two other trails and late afternoon we again visited the harpy eagle nest, and now an adult female was sitting at the nest, very impressive, and the first time we saw an adult. In the evening, we did an owl tour 19:00–19:45 and got Crested Owl and Choco Screech-Owl.

11 Feb 2017

Today we started the tough hike up to Mount Pirre, in Spanish *Cerro Pirre*. This is an isolated mountain range in the Darien Gap, close to the border to Colombia. Due to the isolation, it harbours a number of endemic subspecies, and even some endemic species.

We started the walk at 06:30 and reached Rancho Plastico at 12:00 and at 500 m.a.s.l. after some good birding along the way, the major target we saw was Tody Motmot, Slaty-winged Foliage-gleaner and Wing-banded Antbird. Rancho Plastico is a camp on the mountain ridge about half-way up to the top and has big plastic tarpaulin under which our five porters put up our tents, one tent per person. They also had to carry a propane gas tube, all water, food and our bags with extra clothes etc. Now we got the diet for the coming days, making us slimmer; biscuits, marmalade, raisins and orange lemonade. We had a 2-hour siesta, then walked the ridge trail uphill and downhill from Rancho Plastico until 17:30. There are two viewpoints [*Mirador*] with good views of the mountains and the lowland, where we saw large flocks of migrating Turkey Vultures and also King Vultures passing by at close range. After the usual simple dinner and the checklist writing we went to bed already at 19:40, since there is not so

much to do once it gets dark. Not very good sleep due to snoring neighbours - but probably enough sleep anyway while staying 10 hours in the tent.

12 February 2017

Breakfast at 06:00, departure at 06:30. Today we had the steep climb up to Cerro Pirre Camp 1, at 1100 m.a.s.l. It was very steep at the beginning, then moderately steep, but then the last couple of hundred meters it was almost vertical, so you had to hold on to trunks and stones to be able to climb up. The backpack felt very heavy today, with 500 mm camera lens, camera, water and raingear. Our team has travelled a lot together in many countries, and similar camping hikes like this, i.e. in the Philippines and Venezuela, but this was one of the tougher. We saw a number of good birds on the way up – and as soon as we reached the top plateau at Cerro Pirre Camp 1 we saw a Pirre Warbler, one of the endemics. Other birds on the walk up was Dusky Leaf-tosser, Choco Tapaculo, Pirre Bush Tanager, Green-naped Tanager, and Varied Solitaire. I like the beautiful but a little sad song of solitaires.

12:30–16:00 we walked on the ridge trail about 2 kilometres. The trail was overgrown, and there is a very annoying grass with long, sharply pointed tips which gets stuck to your clothes and even the skin. The forest type is cloud forest - with lots of bromeliads, mosses and lichens. When it is cloudy it is difficult to observe bird parties passing through high up in the canopy. Good birds today were Pirre Hummingbird. The evenings up here at 1300 m are rather chilly, so after a rather simple dinner consisting of rice and chicken stew prepared by our cook Paco, and done with the list we went into our tents already at 19:00.

13 February 2017

Breakfast at 06:00, and off at 06:30. Today we walked further on the ridge trail, about 4 kilometres, and almost reached Cerro Pirre Camp 2. Kilo had a machete today to clear the trail from the annoying grass and tree branches. Today we were lucky to see Beautiful Treerunner, a major target for Cerro Pirre. Other species were Black-eared Wood Quail and Russet-crowned Quail-Dove. It was foggy due to low clouds until 10:00, then it cleared up. We turned back at 11:00 and reached our camp at 14:30 and got coffee and relaxed in the strong sunshine. At 18:00 we were making the checklist when it started to rain, and during the dinner we had to take shelter under the plastic "presenningar". During the whole trip we were lucky with almost no rain during birdwatching hours.

14 February 2017

Today our porters and the cook were a bit slow due to the chilly morning, but we were in no hurry, so at 7:30 we left the camp and walked slowly down the steep trail. Bengt-Eric is very slow downhill due to bad knees, but he made it. We reached Rancho Plastico after 3 hours and had lunch and a rest in the tents. 14:00–17:00 we birded the trail below Plastico, and finally, after a lot of playing the call the previous days, Kilo heard a Black-crowned Antpitta 50 meters below the trail. Not everybody in the team got to see it though, but the next morning another one was spotted near Plastico, so everybody finally could tick it. This is really a tricky species, they don't seem to respond to playback. Despite the name Antpitta it actually belongs to the family Gnateaters. We also heard 3 Choco Tinamous in the late afternoon, and worked hard to see one, but they are extremely elusive. Tawny-faced Quail was also heard.

15 February 2017

Last night in tent on the trip! We walked down to Rancho Frio in two hours, where we could shower and have lunch. Then we walked one hour to the El Rey road. We got there 12:50, but the Jeep didn't come until 14:20, Kilo had tried to get it earlier than the pre-arranged time

14:00. But then we went to the river, Rio Chucunaque, and did the 45 minute boat trip to Yaviza, where we grabbed some cold beer. Finally, we drove 3 hours to Torti and the hotel with real beds and warm showers. A really good sleep here.

16 February 2017

Today we drove westwards on the Pan-American Highway, and made a stop at the Molo Bridge at 07:30. Then further west until the turn off up on a mountain road to the Nusagandi Reserve. There was a nice little hotel and restaurant. We walked a long trail with a local guide crossing small rivers and through dense vegetation in search for Sulphur-rumped Tanager – but unfortunately we failed to find it. We also walked along the main road and searched for it in vain.

In the afternoon we arrived at the domestic airport in Panama City, at Albrook, and took a 45 minute flight to the largest city in western Panama, David. We were picked up by a minivan, had dinner at a roadside buffet restaurant and arrived at the big Hotel XXXX, which had a nice garden with a small river crossing through.

17 February 2017

Now we were in the mountains in westernmost Panama, in the province Chiriquí. We left in early morning with the minivan to a mountain village, where a 4WD pickup was waiting for us. It took us up to the ranger station at 2600 m.a.s.l., Alto Respingo, which lies in the large Volcan Baru National Park. It was still dark when we arrived, so we spotted a Dusky Nightjar and Bare-shanked Screech Owl and had good looks on both. After breakfast in the mirador at the ranger station we walked down along the famous Quetzal Trail [*Sendero Los Quetzales*]. Here we saw the number one target on my personal target list – Wrenthrush. This odd species were formerly placed in its own family (Zeledoniidae). IOC categorize it as *Incertae Sedis* while HBW place it in family Parulidae. Recent research, however, indicates that this species appears not to form part of a monophyletic parulid family. So maybe in the future it will become a monotypic family of its own again.

Other target species we saw were White-throated Mountaingem and Ochraceous Pewee. Spotted Wood Quail was heard. We returned to the ranger station and walked down the road to the mountain village, reaching it 15:00, where the minivan was waiting. After a rest at the hotel we then drove to a private property, Mishael's House. There was a young local guide, who showed us Lesson's Motmot, Smoky-brown Woodpecker and Orange-collared Manakin. They also had hummingbird feeders, with White-necked Jacobin, two species of violetears, Garden Emerald, and Long-billed Starthroat but we couldn't spot any Charming Hummingbird.

18 February 2017

Volcan Lakes in the morning. This area belongs to a private coffee farm, Janson Coffee. We saw White-tailed Emerald, several species of spintail, barbtail, and antwrens. We walked a forest road up to two lakes. Then we went to Cañon Macho de Monte which is a deep narrow canyon near Cuesta de Piedra. Here Kilo found a Charming Hummingbird for us. In late afternoon we arrived at the mountain resort Boquete Tree Trek and got installed in two very large and nice cabins, with one big room with beds and then one upper floor with more beds. The hotel had a big garden and surrounding forest where we saw 10 Resplendent Quetzals, but they flew quickly between the oak trees up the slope and I didn't get any good photo of this bird - one of my favourite species which I hadn't seen since a Costa Rica trip back in 1993. It was disappointing that I didn't get close to any bird neither here during two days or at the Quetzal Trail in Baru NP. Other birds in the garden was Prong-billed Barbet,

19 February 2017

We walked trails and along the main road in the morning at Palo Seco reserve. Highlights were good views of a Costa Rican Pygmy Owl and a species high up on the wish-list: Snowcap!

We had a lunch-break at a roadside restaurant; Café Isabel. More roadside birding in the afternoon.

20 February 2017

We did a short stop along a main road where Kilo had a stake out for Veraguan Mango - and got it.

Quetzal Trail again in the morning. But this time we started at Alto Chiquero, the lowest part of the 8 km long trail. Birds we saw were Sulphur-winged Parakeet, Dark Pewee, Three-wattled Bellbird,

Then 11 o'clock coffee at Sonia's Coffee Shop, at the coffee farm and Hotel Finca Lerida, with a big garden and hotel bungalows with nice views of several hummingbird species.

After lunch in Boquete we drove down to agricultural areas east of David, at La Barqueta Beach, close to the Pacific coast, where we saw some new species for the trip, like Black-bellied Whistling Duck and Lesser Yellow-headed Vulture.

In late afternoon, we flew from David to Panama City, then a two-hour drive westwards to a hotel in El Valle, in the Coclé province.

21 February 2017

In the morning we drove up to the reserve Cerro Gaital, where we walked several trails. Good birds here were Bronze-tailed Plumeleteer and Sepia-capped Flycatcher.

22 February 2017

We visited Cerro Gaital again, and this time we saw a White-tipped Sicklebill, feeding on a In the afternoon, we drove back to Panama City, making a small detour down to close to the Pacific Ocean at Malibu Ponds in Gorgona, where we saw a Ferruginous Pygmy Owl and a Pale-eyed Pygmy Tyrant.

We arrived at the International Airport in Panama City at 16:00 and said goodbye to Kilo and our driver and left for Frankfurt - Copenhagen.

Personally I got 60 lifers out of the trip list 586, so over 10% which was a bit better than expected. It was a nice trip with nice company – and no incidents.

TRIPREPORT

PANAMA

BIRDS

- 1 **Great Tinamou** *Tinamus major*
brunneiventris: 1 heard Pipeline Road 5k 5.2. Endemic subspecies.
saturatus: 1 heard Rancho Frio Station, Darien 9.2, 1 heard Rancho Frio Station, Darien 10.2, 3 heard Rancho Plastico Camp 11.2, 1 heard Rancho Plastico Camp 12.2 and 1 heard Rancho Plastico Camp 14.2
- 2 **Highland Tinamou** *Nothocercus bonapartei frantzii*
1 heard Los Quetzales Trail, Boquete 20.2
- 3 **Little Tinamou** *Crypturellus soui*
poliocephalus: 1 heard Yaviza 8.2 and 1 heard Rancho Frio Station, Darien 10.2. Endemic subspecies. *panamensis*: 1 Pipeline Road 5k 5.2. Endemic subspecies.
- 4 **Choco Tinamou** *Crypturellus kerriae*
3 heard Rancho Plastico Camp 14.2 and 1 heard Rancho Plastico Camp 15.2
- 5 **Black-bellied Whistling Duck** *Dendrocygna autumnalis fulgens*
50 La Barqueta Beach 20.2 and 15 Gorgona, Malibu Ponds 22.2
- 6 **Blue-winged Teal** *Anas discors*
10 Volcan lakes 18.2 and 5 La Barqueta Beach 20.2
- 7 **Grey-headed Chachalaca** *Ortalis cinereiceps*
6 Yaviza 9.2, 6 Yaviza 9.2, 10 Yaviza 9.2, 5 Mishael's House, Paraiso 17.2 and 1 Palo Seco Reserve 19.2
- 8 **Crested Guan** *Penelope purpurascens aequatorialis*
1 Rancho Plastico Camp 11.2, 2 Rancho Plastico Camp 14.2 and 3 Volcan lakes 18.2
- 9 **Black Guan** *Chamaepetes unicolor*
2 Los Quetzales 17.2
- 10 **Marbled Wood Quail** *Odontophorus gujanensis marmoratus*
Heard Rancho Plastico Camp 11.2, heard Rancho Plastico Camp 12.2, heard Rancho Plastico Camp 14.2 and heard Rancho Plastico Camp 15.2
- 11 **Black-eared Wood Quail** *Odontophorus melanotis melanotis*
3 heard Pirre Summit, (Camp 1) 13.2 and 1+3 heard Pirre Summit, (Camp 1) 14.2
- 12 **Black-breasted Wood Quail** *Odontophorus leucolaemus*
1 heard Palo Seco Reserve 19.2
- 13 **Spotted Wood Quail** *Odontophorus guttatus*
3 heard Los Quetzales 17.2
- 14 **Tawny-faced Quail** *Rhynchortyx cinctus cinctus*
1 heard Rancho Plastico Camp 14.2 and 1 heard Rancho Plastico Camp 15.2
- 15 **Least Grebe** *Tachybaptus dominicus brachypterus*
3 Volcan lakes 18.2 and 2 Gorgona, Malibu Ponds 22.2. Observed 3 days in total
- 16 **Pied-billed Grebe** *Podilymbus podiceps podiceps*
2 Volcan lakes 18.2
- 17 **Wood Stork** *Mycteria americana*
10 Yaviza 8.2, 1 en route 15.2 and 2 La Barqueta Beach 20.2
- 18 **American White Ibis** *Eudocimus albus ramobustorum*
10 Old Panama City 6.2, 30 en route 9.2 and 35 en route 15.2
- 19 **Rufescent Tiger Heron** *Tigrisoma lineatum lineatum*
1 en route 4.2 and 1 Old Gamboa Road 5.2

- 20 **Boat-billed Heron** *Cochlearius cochlearius panamensis*
2 Old Gamboa Road 4.2 and 1 Old Gamboa Road 6.2
- 21 **Black-crowned Night Heron** *Nycticorax nycticorax hoactli*
1 Yaviza 9.2
- 22 **Yellow-crowned Night Heron** *Nyctanassa violacea caliginis*
2 Old Panama City 6.2 and 1 en route 9.2
- 23 **Green Heron** *Butorides virescens virescens*
2 Old Gamboa Road 4.2, 1 Old Gamboa Road 5.2, 2 Old Gamboa Road 6.2, 1 Torti Town 8.2 and 2 Volcan lakes 18.2
- 24 **Striated Heron** *Butorides striata striata*
1 Torti Town 8.2
- 25 **Western Cattle Egret** *Bubulcus ibis*
50 en route 7.2 and 20 en route 17.2. Observed 10 days in total
- 26 **Great Blue Heron** *Ardea herodias herodias*
1 Old Panama City 6.2, 1 Yaviza 9.2, 1 Volcan lakes 18.2, 3 La Barqueta Beach 20.2 and 1 en route 22.2
- 27 **Cocoi Heron** *Ardea cocoi*
1 Old Panama City 6.2 and 5 en route 15.2. Observed 3 days in total
- 28 **Great Egret** *Ardea alba egretta*
1 en route 4.2, 2 Old Gamboa Road 5.2, 50 Old Panama City 6.2, 1 en route 7.2, 10 en route 15.2, 1 en route 17.2, 1 Volcan lakes 18.2, 100 La Barqueta Beach 20.2 and 1 Cerro Gaital 21.2. Observed 12 days in total
- 29 **Capped Heron** *Pilherodius pileatus*
2 Yaviza 9.2
- 30 **Reddish Egret** *Egretta rufescens rufescens*
1 Old Panama City 6.2
- 31 **Tricolored Heron** *Egretta tricolor ruficollis*
10 Old Panama City 6.2 and 2 La Barqueta Beach 20.2
- 32 **Little Blue Heron** *Egretta caerulea*
2 Old Gamboa Road 5.2, 100 Old Panama City 6.2, 3 Torti Town 8.2, 20 en route 15.2, 2 Volcan lakes 18.2 and 2 La Barqueta Beach 20.2. Observed 7 days in total
- 33 **Snowy Egret** *Egretta thula thula*
1 en route 4.2, 50 Old Panama City 6.2, 3 Torti Town 8.2, 30 en route 15.2, 10 La Barqueta Beach 20.2 and 1 Gorgona, Malibu Ponds 22.2. Observed 7 days in total
- 34 **American White Pelican** *Pelecanus erythrorhynchos*
1 Old Panama City 6.2
- 35 **Brown Pelican** *Pelecanus occidentalis murphyi*
100 Old Panama City 6.2
- 36 **Magnificent Frigatebird** *Fregata magnificens*
20 en route 4.2, 20 en route 5.2, 50 Old Panama City 6.2 and 50 Gorgona, Malibu Ponds 22.2
- 37 **Neotropic Cormorant** *Phalacrocorax brasilianus brasilianus*
1 Old Gamboa Road 5.2, 100 Old Panama City 6.2, 1 Torti Town 8.2, 2 Yaviza 8.2 and 2 en route 15.2. Observed 5 days in total
- 38 **Anhinga** *Anhinga anhinga leucogaster*
1 Old Gamboa Road 4.2, 1 Old Gamboa Road 5.2, 1 Old Gamboa Road 6.2 and 1 en route 9.2

- 39 **Turkey Vulture** *Cathartes aura meridionalis*: 100 Rancho Frio Station, Darien 10.2, 200 Pirre Summit, (Camp 1) 12.2 and 200 Rancho Plastico Camp 14.2. observed 16 days in total
ruficollis: 1 Rancho Plastico Camp 11.2, 1 La Barqueta Beach 20.2. Resident ssp.
- 40 **Lesser Yellow-headed Vulture** *Cathartes burrovianus burrovianus*
3 La Barqueta Beach 20.2
- 41 **Black Vulture** *Coragyps atratus*
Observed 14 days in total.
- 42 **King Vulture** *Sarcoramphus papa*
8 Rancho Plastico Camp 11.2, 5 Pirre Summit, (Camp 1) 12.2, 2 Pirre Summit, (Camp 1) 13.2, 2 Rancho Plastico Camp 14.2 and 2 Rancho Frio Station, Darien 15.2
- 43 **Western Osprey** *Pandion haliaetus carolinensis*
1 en route 7.2, 1 Rio Mono bridge 16.2 and 1 La Barqueta Beach 20.2
- 44 **White-tailed Kite** *Elanus leucurus majusculus*
1 en route 3.2, 1 Saint Francis Reserve, Wacuco 7.2, 1 en route 15.2, 1 en route 16.2 and 1 en route 17.2
- 45 **Pearl Kite** *Gampsonyx swainsonii leonae*
1 en route 8.2
- 46 **Grey-headed Kite** *Leptodon cayanensis cayanensis*
1 Pipeline Road 5k 5.2
- 47 **Swallow-tailed Kite** *Elanoides forficatus*
10 Saint Francis Reserve, Wacuco 7.2, 1 en route 9.2, 1 Rancho Frio Station, Darien 10.2, 2 Rancho Plastico Camp 11.2, 2 Pirre Summit, (Camp 1) 12.2, 2 Pirre Summit, (Camp 1) 13.2, 6 en route 15.2, 40 Nusagandi 16.2, 2 Mishael's House, Paraiso 17.2, 1 Palo Seco Reserve 19.2 and 3 Cerro Gaital 21.2. Observed 12 days in total
- 48 **Harpy Eagle** *Harpia harpyja*
2 Rancho Frio Station, Darien 10.2
- 49 **Black Hawk-Eagle** *Spizaetus tyrannus serus*
1 Saint Francis Reserve, Wacuco 7.2, 1 en route 9.2, 1 heard Pirre Summit, (Camp 1) 12.2 and 1 Rancho Frio Station, Darien 15.2
- 50 **Black-and-white Hawk-Eagle** *Spizaetus melanoleucus*
1 Saint Francis Reserve, Wacuco 7.2, 1 Rancho Frio Station, Darien 10.2 and 1 Rancho Plastico Camp 11.2
- 51 **Ornate Hawk-Eagle** *Spizaetus ornatus vicarius*
1 heard Pirre Summit, (Camp 1) 13.2 and 1 heard Palo Seco Reserve 19.2
- 52 **Double-toothed Kite** *Harpagus bidentatus fasciatus*
1 Chagres NP, Campo Chagres 6.2
- 53 **Plumbeous Kite** *Ictinia plumbea*
1 Saint Francis Reserve, Wacuco 7.2, 1 Pirre Summit, (Camp 1) 12.2 and 1 Nusagandi 16.2
- 54 **Crane Hawk** *Geranospiza caeruleascens balzarensis*
2 Yaviza 9.2
- 55 **Common Black Hawk** *Buteogallus anthracinus bangsi*
2 Yaviza 9.2
- 56 **Savanna Hawk** *Buteogallus meridionalis*
1 en route 9.2 and 1 La Barqueta Beach 20.2
- 57 **Great Black Hawk** *Buteogallus urubitinga*
ridgwayi: 2 Palo Seco Reserve 19.2 and 1 Los Quetzales Trail, Boquete 20.2
urubitinga: 2 Rancho Plastico Camp 11.2

- 58 **Barred Hawk** *Morphnarchus princeps*
1 heard Pirre Summit, (Camp 1) 12.2, 2 Pirre Summit, (Camp 1) 13.2 and 1+1 heard Palo Seco Reserve 19.2
- 59 **Roadside Hawk** *Rupornis magnirostris griseocauda*
3 en route 9.2 and 1 Volcan lakes 18.2. Observed 3 days in total
- 60 **White Hawk** *Pseudastur albicollis costaricensis*
1+1 heard Saint Francis Reserve, Wacuco 7.2, 2 Yaviza 9.2, 3 Pirre Summit, (Camp 1) 12.2, 1 Rancho Frio Station, Darien 15.2 and 1 en route 18.2
- 61 **Semiplumbeous Hawk** *Leucopternis semiplumbeus*
1 Saint Francis Reserve, Wacuco 7.2
- 62 **Grey-lined Hawk** *Buteo nitidus blakei*
1 Torti Town 8.2, 2 Yaviza 8.2, 2 Yaviza 9.2 and 1 Palo Seco Reserve 19.2
- 63 **Broad-winged Hawk** *Buteo platypterus platypterus*
10 Saint Francis Reserve, Wacuco 7.2, 1 Yaviza 8.2, 5 en route 9.2, 1 Rancho Plastico Camp 11.2 and 1 en route 15.2
- 64 **Short-tailed Hawk** *Buteo brachyurus fuliginosus*
1 Old Gamboa Road 4.2, 1 Metropolitan Park 4.2, 2 Saint Francis Reserve, Wacuco 7.2, 2 en route 16.2, 1 Mishael's House, Paraiso 17.2 and 1 Cerro Gaital 22.2
- 65 **Swainson's Hawk** *Buteo swainsoni*
1 en route 9.2 and 1 La Barqueta Beach 20.2
- 66 **Zone-tailed Hawk** *Buteo albonotatus*
1 en route 9.2, 1 Pirre Summit, (Camp 1) 12.2 and 1 La Barqueta Beach 20.2
- 67 **Red-tailed Hawk** *Buteo jamaicensis costaricensis*
1 Boquete Tree Trek 18.2
- 68 **White-throated Crake** *Laterallus albigularis*
cinereiceps: 3 heard Volcan lakes 18.2 and 1 heard Palo Seco Reserve 19.2
albigularis: 4 heard Pipeline Road 5k 5.2
- 69 **Grey-necked Wood Rail** *Aramides cajaneus cajaneus*
1+1 heard Cerro Gaital 21.2
- 70 **Purple Gallinule** *Porphyrio martinica*
2 Volcan lakes 18.2
- 71 **Common Gallinule** *Gallinula galeata cachinnans*
20 Volcan lakes 18.2 and 1 Gorgona, Malibu Ponds 22.2
- 72 **American Coot** *Fulica americana americana*
10 Volcan lakes 18.2
- 73 **Black-necked Stilt** *Himantopus mexicanus mexicanus*
4 Old Panama City 6.2 and 1 en route 22.2
- 74 **Southern Lapwing** *Vanellus chilensis cayennensis*
5 Radisson Hotel Summit 4.2, 4 Radisson Hotel Summit 5.2, 5 en route 4.2, 50 Old Panama City 6.2, 10 Torti Town 8.2, 10 en route 9.2, 15 en route 15.2, 15 en route 15.2, 2 en route 15.2, 10 Volcan lakes 18.2, 15 La Barqueta Beach 20.2 and 5 Gorgona, Malibu Ponds 22.2
- 75 **Grey Plover** *Pluvialis squatarola cynosurae*
100 Old Panama City 6.2
- 76 **Semipalmated Plover** *Charadrius semipalmatus*
10 Old Panama City 6.2
- 77 **Wilson's Plover** *Charadrius wilsonia beldingi*
1 Old Panama City 6.2
- 78 **Northern Jacana** *Jacana spinosa*
8 Volcan lakes 18.2 and 10 La Barqueta Beach 20.2

- 79 **Wattled Jacana** *Jacana jacana hypomelaena*
2 Radisson Hotel Summit 6.2, 1 en route 15.2 and 5 Gorgona, Malibu Ponds 22.2.
Observed 5 days in total
- 80 **Short-billed Dowitcher** *Limnodromus griseus*
200 Old Panama City 6.2
- 81 **Marbled Godwit** *Limosa fedoa fedoa*
100 Old Panama City 6.2
- 82 **Whimbrel** *Numenius phaeopus hudsonicus*
30 Old Panama City 6.2
- 83 **Greater Yellowlegs** *Tringa melanoleuca*
10 Old Panama City 6.2
- 84 **Solitary Sandpiper** *Tringa solitaria*
1 Saint Francis Reserve, Wacuco 7.2 and 2 Torti Town 8.2
- 85 **Willet** *Tringa semipalmata*
200 Old Panama City 6.2
- 86 **Spotted Sandpiper** *Actitis macularius*
20 Old Panama City 6.2, 5 Torti Town 8.2 and 3 en route 9.2
- 87 **Ruddy Turnstone** *Arenaria interpres morinella*
10 Old Panama City 6.2
- 88 **Red Knot** *Calidris canutus roselaari*
5 Old Panama City 6.2
- 89 **Semipalmated Sandpiper** *Calidris pusilla*
Fairly Common Old Panama City 6.2
- 90 **Western Sandpiper** *Calidris mauri*
10000 Old Panama City 6.2
- 91 **Least Sandpiper** *Calidris minutilla*
2 Torti Town 8.2
- 92 **Dunlin** *Calidris alpina*
10 Old Panama City 6.2
- 93 **Laughing Gull** *Leucophaeus atricilla megalopterus*
1000 Old Panama City 6.2
- 94 **Ring-billed Gull** *Larus delawarensis*
1 Old Panama City 6.2
- 95 **Lesser Black-backed Gull** *Larus fuscus graellsii*
1 Old Panama City 6.2
- 96 **Gull-billed Tern** *Gelochelidon nilotica aranea*
5 Old Panama City 6.2
- 97 **Royal Tern** *Thalasseus maximus maximus*
50 Old Panama City 6.2
- 98 **Elegant Tern** *Thalasseus elegans*
10 Old Panama City 6.2
- 99 **Cabot's Tern** *Thalasseus acufavidus acufavidus*
2000 Old Panama City 6.2
- 100 **Rock Dove** *Columba livia var. domestica*
5 Yaviza 9.2. Observed 9 days in total
- 101 **Scaled Pigeon** *Patagioenas speciosa*
1 heard Rancho Frio Station, Darien 15.2, 1 Mishael's House, Paraiso 17.2 and 1
Volcan lakes 18.2
- 102 **Band-tailed Pigeon** *Patagioenas fasciata crissalis*
20 Boquete Tree Trek 18.2 and 20 Volcan lakes 18.2

- 103 **Pale-vented Pigeon** *Patagioenas cayennensis pallidicrissa*
2 Yaviza 8.2, 1 en route 15.2 and 10 Volcan lakes 18.2. Observed 6 days in total
- 104 **Plumbeous Pigeon** *Patagioenas plumbea chapmani*
1+3 heard Rancho Frio Station, Darien 10.2, 2 heard Rancho Plastico Camp 11.2, 1 heard Pirre Summit, (Camp 1) 12.2, 5 heard Pirre Summit, (Camp 1) 13.2 and 2 heard Rancho Plastico Camp 14.2
- 105 **Ruddy Pigeon** *Patagioenas subvinacea*
subvinacea: 2 Palo Seco Reserve 19.2
berlepschi: 1 Rancho Frio Station, Darien 9.2, 1+2 heard Pirre Summit, (Camp 1) 12.2 and 2+1 heard Rancho Frio Station, Darien 15.2
- 106 **Short-billed Pigeon** *Patagioenas nigrirostris*
1 heard Pipeline Road 5k 5.2 and 2 Saint Francis Reserve, Wacuco 7.2
- 107 **Plain-breasted Ground Dove** *Columbina minuta elaeodes*
2 Saint Francis Reserve, Wacuco 7.2
- 108 **Ruddy Ground Dove** *Columbina talpacoti rufipennis*
Common Saint Francis Reserve, Wacuco 7.2 and 5 en route 15.2. Observed 12 days in total
- 109 **Blue Ground Dove** *Claravis pretiosa*
4 Saint Francis Reserve, Wacuco 7.2 and 1 heard Yaviza 9.2
- 110 **Violaceous Quail-Dove** *Geotrygon violacea albiventer*
1+3 heard Rancho Plastico Camp 11.2, 1 heard Rancho Plastico Camp 12.2 and 2 heard Rancho Frio Station, Darien 15.2
- 111 **White-tipped Dove** *Leptotila verreauxi verreauxi*
1 Old Gamboa Road 5.2, 10 Chagres NP, Campo Chagres 6.2, 20 Saint Francis Reserve, Wacuco 7.2, 5 Torti Town 8.2, 5 Yaviza 9.2, 1 en route 15.2, 20 Mishael's House, Paraiso 17.2 and 5 Volcan lakes 18.2
- 112 **Grey-chested Dove** *Leptotila cassinii*
cerviniventris: 1 Mishael's House, Paraiso 17.2, 1 heard Volcan lakes 18.2 and 1 Cerro Gaital 21.2
cassinii: 1 Pipeline Road, Colon 4.2, 2 Pipeline Road 5k 5.2, 1 Saint Francis Reserve, Wacuco 7.2, 1 heard Rancho Frio Station, Darien 10.2, 1 heard Rancho Frio Station, Darien 10.2, 1 heard Rancho Frio Station, Darien 10.2 and 2 Nusagandi 16.2
- 113 **Purplish-backed Quail-Dove** *Zentrygon lawrencii*
2 heard Palo Seco Reserve 19.2
- 114 **Chiriqui Quail-Dove** *Zentrygon chiriquensis*
1 Palo Seco Reserve 19.2
- 115 **Russet-crowned Quail-Dove** *Zentrygon goldmani goldmani*
2+5 heard Rancho Plastico Camp 12.2, 2 Pirre Summit, (Camp 1) 13.2 and 2 heard Pirre Summit, (Camp 1) 14.2
- 116 **Mourning Dove** *Zenaida macroura turturilla*
2 Los Quetzales 17.2 and 2 Cerro Gaital 22.2
- 117 **Greater Ani** *Crotophaga major*
2 Old Gamboa Road 5.2, 3 Saint Francis Reserve, Wacuco 7.2, 30 Yaviza 8.2, 30 Yaviza 9.2 and 20 en route 15.2
- 118 **Smooth-billed Ani** *Crotophaga ani*
10 Old Gamboa Road 5.2, 2 Old Gamboa Road 6.2, Common Saint Francis Reserve, Wacuco 7.2, Common Yaviza 8.2, Common Yaviza 9.2, Common en route 15.2 and 10 La Barqueta Beach 20.2
- 119 **Striped Cuckoo** *Tapera naevia*
2 Saint Francis Reserve, Wacuco 7.2 and 1 heard Torti Town 8.2

- 120 **Pheasant Cuckoo** *Dromococcyx phasianellus*
2 Old Gamboa Road 6.2
- 121 **Little Cuckoo** *Coccyua minuta gracilis*
1 heard Yaviza 9.2
- 122 **Squirrel Cuckoo** *Piaya cayana thermophila*
5 Pipeline Road, Colon 4.2, 5 Metropolitan Park 4.2, 2 Pipeline Road 5k 5.2, 2 Saint Francis Reserve, Wacuco 7.2, 2 Torti Town 8.2, 3 Yaviza 9.2, 1 Rancho Plastico Camp 11.2, 2 Rancho Plastico Camp 14.2, 1 Palo Seco Reserve 19.2, 1 heard Cerro Gaital 21.2 and 1 Cerro Gaital 22.2
- 123 **Bare-shanked Screech Owl** *Megascops clarkii*
1 Los Quetzales 17.2
- 124 **Choco Screech Owl** *Megascops centralis*
1 heard Rancho Frio Station, Darien 10.2
- 125 **Mottled Owl** *Strix virgata*
centralis: 1 heard Los Quetzales 17.2 and 1 heard Boquete Tree Trek 19.2
virgata: 1 heard Pirre Summit, (Camp 1) 14.2
- 126 **Crested Owl** *Lophotrix cristata wedeli*
2 heard Rancho Frio Station, Darien 10.2 and 1 heard Rancho Plastico Camp 12.2
- 127 **Spectacled Owl** *Pulsatrix perspicillata chapmani*
1 juvenile Old Gamboa Road 6.2 and 1 heard Rancho Plastico Camp 12.2
- 128 **Costa Rican Pygmy Owl** *Glaucidium costaricanum*
1 Palo Seco Reserve 19.2
- 129 **Central American Pygmy Owl** *Glaucidium griseiceps*
1 Saint Francis Reserve, Wacuco 7.2, 1 heard Rancho Frio Station, Darien 10.2, 1 heard Rancho Plastico Camp 11.2 and 1 heard Rancho Plastico Camp 14.2
- 130 **Ferruginous Pygmy Owl** *Glaucidium brasilianum ridgwayi*
1 Gorgona, Malibu Ponds 22.2
- 131 **Great Potoo** *Nyctibius grandis grandis*
2 Pipeline Road, Colon 4.2 and 1 Pipeline Road, Colon 5.2
- 132 **Short-tailed Nighthawk** *Lurocalis semitorquatus stonei*
1 heard Rancho Plastico Camp 12.2, 5 Pirre Summit, (Camp 1) 12.2 and 1 heard Rancho Plastico Camp 15.2
- 133 **Pauraque** *Nyctidromus albicollis gilvus*
2 heard Radisson Hotel Summit 5.2, 2 heard Radisson Hotel Summit 6.2 and 2 en route 5.2
- 134 **Dusky Nightjar** *Antrostomus saturatus*
1+1 heard Los Quetzales 17.2
- 135 **Chestnut-collared Swift** *Streptoprocne rutila brunntorques*
100 Los Quetzales Trail, Boquete 20.2
- 136 **White-collared Swift** *Streptoprocne zonaris bouchellii*
5 Rancho Frio Station, Darien 9.2, 30 Rancho Frio Station, Darien 10.2, 50 Yaviza 9.2, 20 Rancho Plastico Camp 11.2, 50 Pirre Summit, (Camp 1) 13.2, 50 Rancho Plastico Camp 14.2, 50 Rancho Frio Station, Darien 15.2, 50 Mishael's House, Paraiso 17.2, 100 Palo Seco Reserve 19.2 and 200 Los Quetzales Trail, Boquete 20.2
- 137 **Band-rumped Swift** *Chaetura spinicaudus aetherodroma*
10 Old Gamboa Road 5.2, 10 Pipeline Road 5k 5.2, 5 Radisson Hotel Summit 6.2, 5 Chagres NP, Campo Chagres 6.2, 5 Saint Francis Reserve, Wacuco 7.2, 5 Saint Francis Reserve, Wacuco 7.2, 10 Saint Francis Reserve, Wacuco 7.2, 5 Yaviza 9.2 and 10 Rancho Frio Station, Darien 10.2

- 138 **Vaux's Swift** *Chaetura vauxi vauxi*
30 Los Quetzales 17.2, 5 Boquete Tree Trek 18.2, 5 Volcan lakes 18.2, 1 Palo Seco Reserve 19.2 and 50 en route 20.2
- 139 **Short-tailed Swift** *Chaetura brachyura brachyura*
4 Old Gamboa Road 4.2
- 140 **Lesser Swallow-tailed Swift** *Panyptila cayennensis*
2 Saint Francis Reserve, Wacuco 7.2 and 2 Yaviza 9.2
- 141 **White-tipped Sicklebill** *Eutoxeres aquila salvini*
1 Cerro Gaital 22.2
- 142 **Rufous-breasted Hermit** *Glaucis hirsutus hirsutus*
2 Saint Francis Reserve, Wacuco 7.2
- 143 **Green Hermit** *Phaethornis guy coruscus*
1 Rancho Plastico Camp 11.2, 3 Pirre Summit, (Camp 1) 12.2, 1 Rancho Plastico Camp 14.2, 1 Volcan lakes 18.2, 1 Palo Seco Reserve 19.2, 2 Cerro Gaital 21.2 and 2 Cerro Gaital 22.2
- 144 **Long-billed Hermit** *Phaethornis longirostris cephalus*
10 Saint Francis Reserve, Wacuco 7.2 and 1 heard Rancho Frio Station, Darien 9.2
- 145 **Pale-bellied Hermit** *Phaethornis anthophilus anthophilus*
1 Saint Francis Reserve, Wacuco 7.2, 1 heard Yaviza 8.2 and 1 heard Yaviza 9.2
- 146 **Stripe-throated Hermit** *Phaethornis striigularis saturatus*
1 Chagres NP, Campo Chagres 6.2, 1 Rancho Frio Station, Darien 10.2, 1 heard Rancho Plastico Camp 14.2, 1 heard Nusagandi 16.2, 1 Cuesta de Piedra 18.2, 1 heard Volcan lakes 18.2, 1+1 heard Cerro Gaital 21.2 and 5 Cerro Gaital 22.2
- 147 **Scaly-breasted Hummingbird** *Phaeochroa cuvierii cuvierii*
5 Saint Francis Reserve, Wacuco 7.2 and 1 Torti Town 8.2. Endemic subspecies.
- 148 **Violet Sabrewing** *Campylopterus hemileucurus mellitus*
2 Volcan lakes 18.2
- 149 **White-necked Jacobin** *Florisuga mellivora mellivora*
1 ♀ Pipeline Road 5k 5.2 and 5 Mishael's House, Paraiso 17.2
- 150 **Brown Violetear** *Colibri delphinae*
3 Mishael's House, Paraiso 17.2
- 151 **Lesser Violetear** *Colibri cyanotus cabanidis*
3 Los Quetzales 17.2 and 10 Finca Lerida Hotel 20.2
- 152 **Black-throated Mango** *Anthracothorax nigricollis*
1 Old Gamboa Road 4.2, 2 Old Gamboa Road 5.2, 4 Torti-Portal Avicar 7.2, 1 Yaviza 9.2 and 1 Torti-Portal Avicar 16.2
- 153 **Veraguan Mango** *Anthracothorax veraguensis*
1 en route 20.2
- 154 **Violet-headed Hummingbird** *Klais guimeti merrittii*
1 heard Rancho Frio Station, Darien 15.2 and 1 ♀ Cerro Gaital 21.2
- 155 **Rufous-crested Coquette** *Lophornis delattrei lessoni*
1 ♂ Saint Francis Reserve, Wacuco 7.2 and 1 ♂ Cerro Gaital 21.2
- 156 **Green Thorntail** *Discosura conversii*
1 ♂ Palo Seco Reserve 19.2
- 157 **Garden Emerald** *Chlorostilbon assimilis*
1 ♂ Mishael's House, Paraiso 17.2
- 158 **Fiery-throated Hummingbird** *Panterpe insignis insignis*
2 Los Quetzales 17.2
- 159 **White-tailed Emerald** *Elvira chionura*
1 Volcan lakes 18.2

- 160 **Stripe-tailed Hummingbird** *Eupherusa eximia egregia*
2 Boquete Tree Trek 18.2
- 161 **Black-bellied Hummingbird** *Eupherusa nigriventris*
2 Palo Seco Reserve 19.2
- 162 **Pirre Hummingbird** *Goethalsia bella*
2 Pirre Summit, (Camp 1) 12.2 and 3 Pirre Summit, (Camp 1) 13.2
- 163 **Crowned Woodnymph** *Thalurania colombica*
venusta: 1 Mishael's House, Paraiso 17.2, 2 Cuesta de Piedra 18.2, 2 Palo Seco Reserve 19.2, 2 Cerro Gaital 21.2 and 1 Cerro Gaital 22.2
fannyae: 2 Rancho Frio Station, Darien 10.2, 1 Rancho Plastico Camp 11.2, 3 Pirre Summit, (Camp 1) 12.2, 2 Pirre Summit, (Camp 1) 13.2 and 2 Rancho Plastico Camp 14.2
- 164 **Violet-bellied Hummingbird** *Juliamyia julie panamensis*
1 Metropolitan Park 4.2, 5 Pipeline Road 5k 5.2, 1 Old Gamboa Road 6.2, 3 Saint Francis Reserve, Wacuco 7.2 and 2 Rancho Frio Station, Darien 10.2. Endemic ssp.
- 165 **Sapphire-throated Hummingbird** *Lepidopyga coeruleogularis coelina*
1 ♀ Gorgona, Malibu Ponds 22.2. Endemic subspecies.
- 166 **Blue-throated Sapphire** *Hylocharis eliciae earina*
1 Saint Francis Reserve, Wacuco 7.2
- 167 **Rufous-tailed Hummingbird** *Amazilia tzacatl tzacatl*
1 Pipeline Road, Colon 5.2, 2 Chagres NP, Campo Chagres 6.2, 2 Torti-Portal Avicar 7.2, 2 Torti Town 8.2, 2 Yaviza 9.2, 25 Mishael's House, Paraiso 17.2, 2 Palo Seco Reserve 19.2, 10 Finca Lerida Hotel 20.2, 5 Cerro Gaital 21.2 and 1 Cerro Gaital 22.2. Observed 11 days in total
- 168 **Blue-chested Hummingbird** *Amazilia amabilis*
5 Pipeline Road, Colon 4.2, 5 Pipeline Road 5k 5.2, 1 heard Chagres NP, Campo Chagres 6.2, 1 Yaviza 8.2 and 1 Rancho Plastico Camp 11.2
- 169 **Charming Hummingbird** *Amazilia decora*
1 Cuesta de Piedra 18.2
- 170 **Snowy-bellied Hummingbird** *Amazilia edward* Three endemic subspecies:
niveoventer: 10 Mishael's House, Paraiso 17.2, 2 Cuesta de Piedra 18.2 and 1 Finca Lerida Hotel 20.2
collata: 1 Old Gamboa Road 4.2 and 2 Metropolitan Park 4.2
margaritarum: 2 Torti-Portal Avicar 7.2, 2 Torti Town 8.2 and 1 Torti-Portal Avicar 16.2
- 171 **Snowcap** *Microchera albocoronata albocoronata*
1 ♂ Palo Seco Reserve 19.2. Endemic subspecies.
- 172 **White-vented Plumeleteer** *Chalybura buffonii micans*
2 Old Gamboa Road 6.2
- 173 **Bronze-tailed Plumeleteer** *Chalybura urochrysis isaurae*
1 ♀ Cerro Gaital 21.2 and 1 ♂ Cerro Gaital 22.2
- 174 **White-bellied Mountaingem** *Lampornis hemileucus*
1 Palo Seco Reserve 19.2
- 175 **Purple-throated Mountaingem** *Lampornis calolaemus homogenes*
3 Palo Seco Reserve 19.2
- 176 **White-throated Mountaingem** *Lampornis castaneiventris*
5 Los Quetzales 17.2, 1 ♀ Boquete Tree Trek 18.2 and 3 Los Quetzales Trail, Boquete 20.2
- 177 **Green-crowned Brilliant** *Heliodoxa jacula henryi*
1 Palo Seco Reserve 19.2

- 178 **Admirable Hummingbird** *Eugenes spectabilis*
1 ♀ Los Quetzales 17.2 and 1 Finca Lerida Hotel 20.2
- 179 **Greenish Puffleg** *Haplophaedia aureliae galindoi*
5 Pirre Summit, (Camp 1) 13.2. Endemic subspecies.
- 180 **Purple-crowned Fairy** *Heliothryx barroti*
1 Pipeline Road 5k 5.2, 1 Saint Francis Reserve, Wacuco 7.2, 1 Rancho Plastico Camp 14.2 and 1 Nusagandi 16.2
- 181 **Long-billed Starthroat** *Heliomaster longirostris longirostris*
1 Mishael's House, Paraiso 17.2 and 1 en route 18.2
- 182 **Volcano Hummingbird** *Selasphorus flammula torridus*
5 Los Quetzales 17.2
- 183 **Scintillant Hummingbird** *Selasphorus scintilla*
1 ♂ Los Quetzales 17.2, 4 Boquete Tree Trek 18.2, 2 Boquete Tree Trek 19.2, 1 Volcan lakes 18.2 and 5 Finca Lerida Hotel 20.2
- 184 **Resplendent Quetzal** *Pharomachrus mocinno costaricensis*
1 heard Los Quetzales 17.2, 10 Boquete Tree Trek 18.2 and 1 heard Boquete Tree Trek 20.2
- 185 **Slaty-tailed Trogon** *Trogon massena hoffmanni*
1+2 heard Pipeline Road 5k 5.2, 1 heard Rancho Frio Station, Darien 10.2, 1 heard Rancho Plastico Camp 12.2 and 2 Rancho Plastico Camp 14.2
- 186 **Black-tailed Trogon** *Trogon melanurus macroura*
1+2 heard Pipeline Road 5k 5.2, 1 heard Chagres NP, Campo Chagres 6.2, 1 Saint Francis Reserve, Wacuco 7.2 and 1 Yaviza 9.2
- 187 **White-tailed Trogon** *Trogon chionurus*
2 Pipeline Road 5k 5.2, 2 Yaviza 9.2 and 1 heard Rancho Frio Station, Darien 15.2
- 188 **Gartered Trogon** *Trogon caligatus concinnus*
1 Old Gamboa Road 4.2, 1 heard Saint Francis Reserve, Wacuco 7.2, 2 Yaviza 9.2 and 1+2 heard Rancho Frio Station, Darien 10.2
- 189 **Black-throated Trogon** *Trogon rufus tenellus*
1 Pipeline Road 5k 5.2, 1 Saint Francis Reserve, Wacuco 7.2 and 1 Rancho Plastico Camp 11.2
- 190 **Collared Trogon** *Trogon collaris*
puella: 2 Los Quetzales 17.2
aurantiiventris: 1 Los Quetzales Trail, Boquete 20.2 and 2 Cerro Gaital 21.2
extimus: 1 ♀ Pirre Summit, (Camp 1) 14.2. Endemic subspecies.
- 191 **American Pygmy Kingfisher** *Chloroceryle aenea aenea*
2 Old Gamboa Road 6.2
- 192 **Green Kingfisher** *Chloroceryle americana septentrionalis*
2 Old Gamboa Road 4.2, 3 Torti Town 8.2, 1 en route 15.2, 1 Cuesta de Piedra 18.2 and 1 en route 18.2
- 193 **Amazon Kingfisher** *Chloroceryle amazona*
2 Torti Town 8.2
- 194 **Ringed Kingfisher** *Megaceryle torquata torquata*
1 heard Old Gamboa Road 4.2 and 1 La Barqueta Beach 20.2
- 195 **Tody Motmot** *Hylomanes momotula obscurus*
1 Rancho Plastico Camp 11.2
- 196 **Lesson's Motmot** *Momotus lessonii lessonii*
1 Mishael's House, Paraiso 17.2 and 2 Volcan lakes 18.2

- 197 **Whooping Motmot** *Momotus subrufescens subrufescens*
2 Pipeline Road, Colon 4.2, 2 Old Gamboa Road 4.2, 1 heard Saint Francis Reserve, Wacuco 7.2, 1 heard Torti Town 8.2, 1 heard Rancho Frio Station, Darien 9.2, 1 heard Rancho Frio Station, Darien 10.2 and 2 heard Rancho Plastico Camp 11.2
- 198 **Rufous Motmot** *Baryphthengus martii semirufus*
2 Pipeline Road 5k 5.2
- 199 **Broad-billed Motmot** *Electron platyrhynchum minus*
3 Pipeline Road 5k 5.2, 1 heard Rancho Plastico Camp 12.2 and 1 heard Rancho Plastico Camp 14.2
- 200 **Rufous-tailed Jacamar** *Galbula ruficauda melanogenia*
2 Yaviza 8.2 and 1 heard Yaviza 9.2
- 201 **Great Jacamar** *Jacamerops aureus penardi*
1 heard Saint Francis Reserve, Wacuco 7.2 and 1 Rancho Plastico Camp 14.2
- 202 **White-necked Puffbird** *Notharchus hyperrhynchus hyperrhynchus*
1 Chagres NP, Campo Chagres 6.2, 3 Yaviza 8.2 and 1 Rancho Frio Station, Darien 10.2
- 203 **Black-breasted Puffbird** *Notharchus pectoralis*
2 Pipeline Road, Colon 4.2, 1 heard Pipeline Road 5k 5.2, 1 Rancho Plastico Camp 11.2 and 1 Rancho Frio Station, Darien 15.2
- 204 **Pied Puffbird** *Notharchus tectus subtectus*
1 Saint Francis Reserve, Wacuco 7.2 and 1 Yaviza 9.2
- 205 **Barred Puffbird** *Nystalus radiatus*
1 Saint Francis Reserve, Wacuco 7.2, 1 heard Rancho Plastico Camp 14.2 and 1 heard Rancho Plastico Camp 15.2
- 206 **White-whiskered Puffbird** *Malacoptila panamensis panamensis*
2 Pipeline Road 5k 5.2, 2 Chagres NP, Campo Chagres 6.2, 2 Rancho Frio Station, Darien 9.2, 3 Rancho Frio Station, Darien 10.2 and 1 Nusagandi 16.2
- 207 **Grey-cheeked Nunlet** *Nonnula frontalis stulta*
2 Yaviza 8.2
- 208 **White-fronted Nunbird** *Monasa morphoeus pallescens*
2 Yaviza 9.2, 1 Rancho Plastico Camp 11.2 and 2 Rancho Plastico Camp 14.2
- 209 **Spot-crowned Barbet** *Capito maculicoronatus rubrilateralis*
1 heard Saint Francis Reserve, Wacuco 7.2, 2 Yaviza 8.2, 2 Yaviza 9.2 and 2 Rancho Plastico Camp 11.2
- 210 **Prong-billed Barbet** *Semnornis frantzii*
3 heard Los Quetzales 17.2, 2 Boquete Tree Trek 18.2, 2+1 heard Palo Seco Reserve 19.2 and 4 Los Quetzales Trail, Boquete 20.2
- 211 **Blue-throated Toucanet** *Aulacorhynchus caeruleogularis*
caeruleogularis: 2 Los Quetzales 17.2 and 2 Los Quetzales Trail 20.2. Endemic ssp. *cognatus*: 4 Pirre Summit, (Camp 1) 12.2 and 4 Pirre Summit, (Camp 1) 13.2
- 212 **Collared Aracari** *Pteroglossus torquatus torquatus*
2 Pipeline Road, Colon 4.2, 1 heard Pipeline Road 5k 5.2, 3 Torti Town 8.2, 5 Yaviza 8.2 and 5 Yaviza 9.2
- 213 **Fiery-billed Aracari** *Pteroglossus frantzii*
2 Mishael's House, Paraiso 17.2
- 214 **Yellow-eared Toucanet** *Selenidera spectabilis*
5 Rancho Plastico Camp 11.2, 4 Rancho Plastico Camp 14.2, 1 heard Rancho Plastico Camp 15.2 and 1 Nusagandi 16.2

- 215 **Keel-billed Toucan** *Ramphastos sulfuratus brevicarinatus*
3 Metropolitan Park 4.2, 2 Pipeline Road 5k 5.2, 2 Chagres NP, Campo Chagres 6.2,
1 Yaviza 8.2, 1 Rancho Frio Station, Darien 9.2, 1+3 heard Rancho Frio Station,
Darien 10.2, 2 Rancho Plastico Camp 11.2, 1 heard Rancho Frio Station, Darien 15.2,
1 heard Palo Seco Reserve 19.2 and 1 heard Cerro Gaital 22.2
- 216 **Yellow-throated Toucan** *Ramphastos ambiguus swainsonii*
2 Pipeline Road, Colon 4.2, 1 heard Pipeline Road 5k 5.2, 1 Yaviza 9.2, 2 heard
Rancho Frio Station, Darien 10.2, 2 Rancho Plastico Camp 11.2, 2 Rancho Frio
Station, Darien 15.2 and 1 heard Nusagandi 16.2
- 217 **Olivaceous Piculet** *Picumnus olivaceus flavotinctus*
4 Yaviza 8.2
- 218 **Acorn Woodpecker** *Melanerpes formicivorus striatipectus*
10 Los Quetzales 17.2 and 1 Los Quetzales Trail, Boquete 20.2
- 219 **Black-cheeked Woodpecker** *Melanerpes pucherani*
2 Pipeline Road 5k 5.2, 3 Saint Francis Reserve, Wacuco 7.2, 1 Yaviza 8.2 and 5
Yaviza 9.2
- 220 **Red-crowned Woodpecker** *Melanerpes rubricapillus rubricapillus*
2 Old Gamboa Road 4.2, 2 Old Gamboa Road 5.2, 2 Old Gamboa Road 6.2, 1
Radisson Hotel Summit 5.2, 2 Radisson Hotel Summit 6.2, 2 Chagres NP, Campo
Chagres 6.2, 1 Torti-Portal Avicar 7.2, 2 Saint Francis Reserve, Wacuco 7.2, 5 Torti
Town 8.2, 5 Yaviza 8.2, 1 Yaviza 9.2, 2 Mishael's House, Paraiso 17.2, 2 Volcan
lakes 18.2, 1 en route 20.2 and 2 Gorgona, Malibu Ponds 22.2
- 221 **Red-rumped Woodpecker** *Veniliornis kirkii ceciliae*
2 Yaviza 9.2, 3 Pirre Summit, (Camp 1) 13.2 and 4 Rio Mono bridge 16.2
- 222 **Smoky-brown Woodpecker** *Leuconotopicus fumigatus sanguinolentus*
2 Mishael's House, Paraiso 17.2
- 223 **Hairy Woodpecker** *Leuconotopicus villosus extimus*
2 Los Quetzales 17.2
- 224 **Stripe-cheeked Woodpecker** *Piculus collopterus* Endemic species
1 Saint Francis Reserve, Wacuco 7.2 and 1 ♂ Rancho Plastico Camp 11.2
- 225 **Golden-olive Woodpecker** *Colaptes rubiginosus yucatanensis*
1 heard Palo Seco Reserve 19.2
- 226 **Spot-breasted Woodpecker** *Colaptes punctigula ujhelyii*
1 heard Saint Francis Reserve, Wacuco 7.2 and 1 Torti Town 8.2
- 227 **Cinnamon Woodpecker** *Celeus loricatus mentalis*
1 Old Gamboa Road 5.2, 2 Pipeline Road 5k 5.2, 2 Yaviza 9.2 and 1 Rancho Frio
Station, Darien 11.2
- 228 **Lineated Woodpecker** *Dryocopus lineatus lineatus*
1 heard Metropolitan Park 4.2, 1 Yaviza 8.2, 1 Mishael's House, Paraiso 17.2, 1 Palo
Seco Reserve 19.2 and 1 Cerro Gaital 22.2
- 229 **Crimson-bellied Woodpecker** *Campephilus haematogaster splendens*
2 heard Rancho Frio Station, Darien 9.2, 1+1 heard Rancho Frio Station, Darien 10.2
and 1 heard Nusagandi 16.2
- 230 **Crimson-crested Woodpecker** *Campephilus melanoleucos malherbii*
3 Pipeline Road, Colon 4.2, 1 Old Gamboa Road 5.2, 1 Old Gamboa Road 6.2, 1
Pipeline Road 5k 5.2, 1 heard Chagres NP, Campo Chagres 6.2, 1 heard Saint Francis
Reserve, Wacuco 7.2, 1 heard Rancho Frio Station, Darien 9.2, 1 Rancho Frio
Station, Darien 10.2, 1 heard Rancho Frio Station, Darien 11.2 and 2 Rancho Frio
Station, Darien 15.2

- 231 **Red-throated Caracara** *Ibycter americanus*
1 heard Rancho Frio Station, Darien 10.2, 1 heard Rancho Frio Station, Darien 11.2
and 2 Rancho Frio Station, Darien 15.2
- 232 **Northern Crested Caracara** *Caracara cheriway*
1 en route 5.2 and 1 en route 18.2. Observed 3 days in total
- 233 **Yellow-headed Caracara** *Milvago chimachima cordata*
Up to 4 en route 4-7.2, 3 en route 18.2, 2 La Barqueta Beach 20.2 and 2 en route
22.2. Observed 9 days in total
- 234 **Laughing Falcon** *Herpetotheres cachinnans*
cachinnans: 2 Volcan lakes 18.2
fulvescens: 1 Saint Francis Reserve, Wacuco 7.2, 1 Yaviza 9.2, 1 heard Rancho Frio
Station, Darien 10.2 and 1 Rancho Frio Station, Darien 15.2
- 235 **Barred Forest Falcon** *Micrastur ruficollis interstes*
1 heard Rancho Plastico Camp 12.2
- 236 **American Kestrel** *Falco sparverius sparverius*
1 en route 4.2, 1 Torti-Portal Avicar 7.2, 1 Torti Town 8.2, 1 en route 8.2, 1 en route
20.2 and 1 en route 22.2. Observed 6 days in total
- 237 **Bat Falcon** *Falco rufigularis petoensis*
1 en route 22.2
- 238 **Peregrine Falcon** *Falco peregrinus*
1 Old Panama City 6.2 and 1 Gorgona, Malibu Ponds 22.2
- 239 **Blue-fronted Parrotlet** *Touit dilectissimus*
1 Pirre Summit, (Camp 1) 12.2, 1 heard Pirre Summit, (Camp 1) 13.2 and 2 Rancho
Plastico Camp 14.2
- 240 **Barred Parakeet** *Bolborhynchus lineola lineola*
1 heard Los Quetzales 17.2
- 241 **Orange-chinned Parakeet** *Brotogeris jugularis jugularis*
6 Old Gamboa Road 4.2, 4 Old Gamboa Road 5.2, 20 Radisson Hotel Summit 6.2, 2
Torti-Portal Avicar 7.2, 5 Saint Francis Reserve, Wacuco 7.2, 10 Yaviza 9.2, 1 heard
Rancho Frio Station, Darien 10.2, 2 Rancho Frio Station, Darien 15.2, 2 en route
15.2, 2 Mishael's House, Paraiso 17.2, 2 en route 18.2, 5 en route 20.2 and 5
Gorgona, Malibu Ponds 22.2. Observed 12 days in total
- 242 **Brown-hooded Parrot** *Pyrilia haematotis*
haematotis: 2 Cerro Gaital 21.2 and 1 heard Cerro Gaital 22.2
coccinillar: 1 heard Pipeline Road 5k 5.2, 2 Saint Francis Reserve, Wacuco 7.2
and 1+2 heard Rancho Frio Station, Darien 11.2
- 243 **Saffron-headed Parrot** *Pyrilia pyralia*
2 Rancho Frio Station, Darien 10.2 and 2 Rancho Plastico Camp 14.2
- 244 **Blue-headed Parrot** *Pionus menstruus rubrigularis*
10 Pipeline Road 5k 5.2, 10 Torti Town 8.2, 5 Yaviza 9.2, 1 heard Rancho Frio
Station, Darien 10.2, 2 Rio Mono bridge 16.2 and 5 Mishael's House, Paraiso 17.2.
Observed 7 days in total
- 245 **White-crowned Parrot** *Pionus senilis*
5 Mishael's House, Paraiso 17.2
- 246 **Red-lored Amazon** *Amazona autumnalis salvini*
5 Radisson Hotel Summit 6.2, 4 Torti Town 8.2 and 4+2 heard Rancho Frio Station,
Darien 10.2. Observed 4 days in total
- 247 **Northern Mealy Amazon** *Amazona guatemalae virenticeps*
3 Pipeline Road, Colon 4.2 and 2 Saint Francis Reserve, Wacuco 7.2

- 248 **Southern Mealy Amazon** *Amazona farinosa*
5 Rancho Frio Station, Darien 11.2
- 249 **Spectacled Parrotlet** *Forpus conspicillatus conspicillatus*
2 Yaviza 8.2 and 2 Yaviza 9.2
- 250 **Sulphur-winged Parakeet** *Pyrrhura hoffmanni gaudens*
4 Finca Lerida Hotel 20.2 and 8 Los Quetzales Trail 20.2. Endemic subspecies.
- 251 **Brown-throated Parakeet** *Eupsittula pertinax ocularis*
10 en route 18.2
- 252 **Great Green Macaw** *Ara ambiguus ambiguus*
2 Rancho Frio Station, Darien 9.2, 4 Rancho Frio Station, Darien 11.2 and 1 Rancho Plastico Camp 14.2
- 253 **Red-and-green Macaw** *Ara chloropterus*
2 Rancho Frio Station, Darien 10.2 and 2 Rancho Frio Station, Darien 11.2
- 254 **Finsch's Parakeet** *Psittacara finschi*
10 Mishael's House, Paraiso 17.2 and 8 en route 18.2
- 255 **Sapayoa** *Sapayoa aenigma*
1 Rancho Frio Station, Darien 11.2
- 256 **Pale-breasted Spinetail** *Synallaxis albescens latitabunda*
1 Mishael's House, Paraiso 17.2
- 257 **Slaty Spinetail** *Synallaxis brachyura nigrifumosa*
2 Volcan lakes 18.2
- 258 **Red-faced Spinetail** *Cranioleuca erythrops rufigenis*
3 Volcan lakes 18.2, 1 Palo Seco Reserve 19.2 and 2 Los Quetzales Trail, Boquete 20.2
- 259 **Double-banded Greytail** *Xenerpestes minlosi umbraticus*
2 Torti Town 8.2
- 260 **Spotted Barbtail** *Premnoplex brunnescens brunneicauda*
1 Volcan lakes 18.2 and 2 Palo Seco Reserve 19.2
- 261 **Ruddy Treerunner** *Margarornis rubiginosus rubiginosus*
3 Los Quetzales 17.2, 1 Palo Seco Reserve 19.2 and 1 Los Quetzales Trail, Boquete 20.2
- 262 **Beautiful Treerunner** *Margarornis bellulus* Endemic species.
2 Pirre Summit, (Camp 1) 13.2
- 263 **Buffy Tuftedcheek** *Pseudocolaptes lawrencii*
1 Los Quetzales 17.2 and 1 Los Quetzales Trail, Boquete 20.2
- 264 **Lineated Foliage-gleaner** *Syndactyla subalaris*
lineata: 2 Palo Seco Reserve 19.2
tacarcunae: 3 Pirre Summit, (Camp 1) 13.2
- 265 **Western Woodhaunter** *Hylocistetes virgatus assimilis*
2 Pirre Summit, (Camp 1) 14.2
- 266 **Slaty-winged Foliage-gleaner** *Philydor fuscipenne erythronotum*
2 Rancho Frio Station, Darien 11.2
- 267 **Streak-breasted Treehunter** *Thripadectes rufobrunneus*
1 Los Quetzales 17.2
- 268 **Buff-throated Foliage-gleaner** *Automolus ochrolaemus pallidigularis*
1 Rancho Frio Station, Darien 11.2
- 269 **Ruddy Foliage-gleaner** *Automolus rubiginosus saturatus*
1 Pirre Summit, (Camp 1) 13.2
- 270 **Dusky Leaf-tosser** *Sclerurus obscurior obscurior*
2 Pirre Summit, (Camp 1) 12.2

- 271 **Scaly-throated Leaf-tosser** *Sclerurus guatemalensis salvini*
1 Rancho Frio Station, Darien 10.2 and 1 Rancho Frio Station, Darien 11.2
- 272 **Plain Xenops** *Xenops minutus*
ridgwayi: 2 Pipeline Road, Colon 4.2, 4 Metropolitan Park 4.2, 2 Chagres NP, Campo Chagres 6.2, 2 Volcan lakes 18.2 and 1 Cerro Gaital 21.2
littoralis: 2 Rancho Frio Station, Darien 10.2 and 1 Pirre Summit, (Camp 1) 12.2
- 273 **Plain-brown Woodcreeper** *Dendrocincla fuliginosa ridgwayi*
4 Pipeline Road, Colon 4.2, 2 Pipeline Road 5k 5.2, 1 Old Gamboa Road 6.2 and 1 heard Saint Francis Reserve, Wacuco 7.2
- 274 **Olivaceous Woodcreeper** *Sittasomus griseicapillus sylvioides*
2 Metropolitan Park 4.2, 1 Old Gamboa Road 5.2 and 1 Chagres NP, Campo Chagres 6.2
- 275 **Wedge-billed Woodcreeper** *Glyphorhynchus spirurus*
pectoralis: 2 Palo Seco Reserve 19.2, 2 Cerro Gaital 21.2 and 2 Cerro Gaital 22.2
subrufescens: 1 Saint Francis Reserve, Wacuco 7.2, 1 Rancho Frio Station, Darien 9.2, 2 Rancho Frio Station, Darien 10.2, 2 Rancho Frio Station, Darien 11.2, 1 Pirre Summit, (Camp 1) 13.2, 1 Rancho Plastico Camp 14.2 and 1 Rancho Plastico Camp 15.2
- 276 **Northern Barred Woodcreeper** *Dendrocolaptes sanctithomae sanctithomae*
5 Pipeline Road, Colon 4.2
- 277 **Cocoa Woodcreeper** *Xiphorhynchus susurrans nana*
5 Pipeline Road, Colon 4.2, 2 Metropolitan Park 4.2, 1 heard Old Gamboa Road 5.2 and 1 Chagres NP, Campo Chagres 6.2
- 278 **Black-striped Woodcreeper** *Xiphorhynchus lachrymosus lachrymosus*
2 Pipeline Road, Colon 4.2, 2 Rancho Frio Station, Darien 10.2, 1 Rancho Frio Station, Darien 11.2 and 1 Rancho Plastico Camp 14.2
- 279 **Spotted Woodcreeper** *Xiphorhynchus erythropygius*
punctigula: 1 Cerro Gaital 21.2
insolitus: 2 Rancho Frio Station, Darien 11.2 and 2 Pirre Summit, (Camp 1) 13.2
- 280 **Streak-headed Woodcreeper** *Lepidocolaptes souleyetii*
compressus: 1 Volcan lakes 18.2
lineaticeps: 1 Torti Town 8.2, 1 Yaviza 8.2, 2 Yaviza 9.2 and 2 Rancho Frio Station, Darien 15.2
- 281 **Spot-crowned Woodcreeper** *Lepidocolaptes affinis neglectus*
2 Los Quetzales 17.2
- 282 **Red-billed Scythebill** *Campylorhamphus trochilirostris brevipennis*
1 Yaviza 8.2
- 283 **Brown-billed Scythebill** *Campylorhamphus pusillus borealis*
1 Cerro Gaital 21.2
- 284 **Fasciated Antshrike** *Cymbilaimus lineatus fasciatus*
2 Pipeline Road, Colon 4.2, 1 Metropolitan Park 4.2 and 1 Saint Francis Reserve, Wacuco 7.2
- 285 **Great Antshrike** *Taraba major obscurus*
1 Saint Francis Reserve, Wacuco 7.2, 1 heard Torti Town 8.2 and 5 heard Yaviza 8.2
- 286 **Barred Antshrike** *Thamnophilus doliatus*
intermedius: 3 Gorgona, Malibu Ponds 22.2
nigricristatus: 1 Old Gamboa Road 5.2 and 1 Torti-Portal Avicar 16.2. Endemic ssp.
- 287 **Black-hooded Antshrike** *Thamnophilus bridgesi*
1 ♂ Mishael's House, Paraiso 17.2

- 288 **Black Antshrike** *Thamnophilus nigriceps*
3 Saint Francis Reserve, Wacuco 7.2
- 289 **Black-crowned Antshrike** *Thamnophilus atrinucha atrinucha*
2 Pipeline Road, Colon 4.2, 4 Metropolitan Park 4.2, 5 Pipeline Road 5k 5.2, 2 Chagres NP, Campo Chagres 6.2, 2 Chagres NP, Campo Chagres 6.2, 2 Chagres NP, Campo Chagres 6.2, 5 Saint Francis Reserve, Wacuco 7.2, 3 Rancho Frio Station, Darien 10.2, 1 Rancho Plastico Camp 11.2, 1 Pirre Summit, (Camp 1) 12.2, 1 Pirre Summit, (Camp 1) 13.2 and 1 heard Nusagandi 16.2
- 290 **Russet Antshrike** *Thamnistes anabatinus coronatus*
1 Rancho Frio Station, Darien 10.2 and 2 Pirre Summit, (Camp 1) 13.2
- 291 **Plain Antvireo** *Dysithamnus mentalis*
septentrionalis: 2 Volcan lakes 18.2, 4 Cerro Gaital 21.2 and 1 Cerro Gaital 22.2
suffusus: 1 ♂ Rancho Plastico Camp 14.2
- 292 **Spot-crowned Antvireo** *Dysithamnus puncticeps*
2 Rancho Plastico Camp 11.2 and 4 Cerro Gaital 21.2
- 293 **Checker-throated Antwren** *Epinecrophylla fulviventris*
2 Pipeline Road, Colon 4.2, 2 Pipeline Road, Colon 4.2, 10 Pipeline Road, Colon 4.2, 5 Pipeline Road 5k 5.2, 1 Saint Francis Reserve, Wacuco 7.2, 2 Rancho Frio Station, Darien 10.2, 1 heard Rancho Frio Station, Darien 15.2, 2 Palo Seco Reserve 19.2 and 2 Cerro Gaital 21.2
- 294 **Moustached Antwren** *Myrmotherula ignota ignota*
1 Pipeline Road 5k 5.2, 1 Rancho Frio Station, Darien 10.2 and 1 heard Rancho Frio Station, Darien 15.2
- 295 **Pacific Antwren** *Myrmotherula pacifica*
2 Torti Town 8.2
- 296 **White-flanked Antwren** *Myrmotherula axillaris albigula*
1 Pipeline Road 5k 5.2, 1 Saint Francis Reserve, Wacuco 7.2, 1 Rancho Frio Station, Darien 9.2 and 3 Rancho Frio Station, Darien 11.2
- 297 **Slaty Antwren** *Myrmotherula schisticolor schisticolor*
2 Volcan lakes 18.2 and 3 Cerro Gaital 21.2
- 298 **Rufous-winged Antwren** *Herpsilochmus rufimarginatus exiguus*
1 Saint Francis Reserve, Wacuco 7.2 and 1 Rancho Plastico Camp 11.2. Endemic ssp.
- 299 **Dot-winged Antwren** *Microrhopias quixensis consobrina*
8 Pipeline Road, Colon 4.2, 5 Pipeline Road 5k 5.2, 4 Saint Francis Reserve, Wacuco 7.2 and 1 Rancho Frio Station, Darien 10.2
- 300 **Dusky Antbird** *Cercomacra tyrannina*
2 Chagres NP, Campo Chagres 6.2
tyrannina: 4 Metropolitan Park 4.2
- 301 **Jet Antbird** *Cercomacra nigricans*
1 heard Old Gamboa Road 4.2 and 1 ♂ Chagres NP, Campo Chagres 6.2
- 302 **Bare-crowned Antbird** *Gymnocichla nudiceps nudiceps*
2 Yaviza 8.2
- 303 **White-bellied Antbird** *Myrmeciza longipes panamensis*
2 Metropolitan Park 4.2
- 304 **Chestnut-backed Antbird** *Myrmeciza exsul*
exsul: 2 Pipeline Road, Colon 4.2, 2 Pipeline Road 5k 5.2 and 1 Cerro Gaital 21.2
cassini: 1 heard Rancho Frio Station, Darien 10.2
niglarus: 1 heard Saint Francis Reserve, Wacuco 7.2
- 305 **Dull-mantled Antbird** *Myrmeciza laemosticta*
1 Rancho Frio Station, Darien 10.2 and 1 Nusagandi 16.2

- 306 **Zeledon's Antbird** *Myrmeciza zeledoni*
zeledoni: 2 Palo Seco Reserve 19.2
macrorhyncha: 1 Rancho Plastico Camp 12.2
- 307 **Wing-banded Antbird** *Myrmornis torquata stictoptera*
 2 Rancho Plastico Camp 11.2
- 308 **Bicolored Antbird** *Gymnopithys bicolor bicolor*
 6 Pipeline Road, Colon 4.2, 4 Pipeline Road 5k 5.2, 1 heard Chagres NP, Campo Chagres 6.2, 1 heard Rancho Plastico Camp 11.2 and 1 heard Nusagandi 16.2
- 309 **Spotted Antbird** *Hylophylax naevioides naevioides*
 10 Pipeline Road, Colon 4.2 and 4+1 heard Pipeline Road 5k 5.2
- 310 **Ocellated Antbird** *Phaenostictus mcleannani mcleannani*
 4 Rancho Frio Station, Darien 10.2
- 311 **Black-faced Antthrush** *Formicarius analis panamensis*
 4 Pipeline Road, Colon 4.2, 1 Chagres NP, Campo Chagres 6.2 and 1 heard Rancho Plastico Camp 11.2
- 312 **Black-headed Antthrush** *Formicarius nigricapillus nigricapillus*
 1 Palo Seco Reserve 19.2
- 313 **Streak-chested Antpitta** *Hylopezus perspicillatus perspicillatus*
 1+1 heard Pipeline Road 5k 5.2 and 1 heard Cerro Gaital 21.2
- 314 **Black-crowned Antpitta** *Pittasoma michleri michleri*
 1+1 heard Rancho Plastico Camp 14.2 and 1 Rancho Plastico Camp 15.2
- 315 **Choco Tapaculo** *Scytalopus chocoensis*
 1+4 heard Pirre Summit, (Camp 1) 13.2 and 2 heard Pirre Summit, (Camp 1) 14.2.
 Observed 3 days in total
- 316 **Silvery-fronted Tapaculo** *Scytalopus argentifrons argentifrons*
 2+3 heard Los Quetzales 17.2, 2 heard Palo Seco Reserve 19.2 and 2 heard Los Quetzales Trail, Boquete 20.2
- 317 **Sooty-headed Tyrannulet** *Phyllomyias griseiceps*
 1 Saint Francis Reserve, Wacuco 7.2
- 318 **Yellow-crowned Tyrannulet** *Tyrannulus elatus*
 1 heard Pipeline Road 5k 5.2, 1 Torti-Portal Avicar 7.2, 1 Saint Francis Reserve, Wacuco 7.2 and 1 heard Rancho Frio Station, Darien 10.2
- 319 **Forest Elaenia** *Myiopagis gaimardii macilvainii*
 1 Old Gamboa Road 4.2, 1 Old Gamboa Road 5.2, 1 heard Chagres NP, Campo Chagres 6.2 and 1 heard Yaviza 9.2
- 320 **Grey Elaenia** *Myiopagis caniceps absita*
 2 Pipeline Road, Colon 4.2 and 1 Rancho Frio Station, Darien 9.2
- 321 **Greenish Elaenia** *Myiopagis viridicata accola*
 2 Chagres NP, Campo Chagres 6.2
- 322 **Yellow-bellied Elaenia** *Elaenia flavogaster pallididorsalis*
 2 Saint Francis Reserve, Wacuco 7.2, 1 Mishael's House, Paraiso 17.2 and 1 Volcan lakes 18.2
- 323 **Lesser Elaenia** *Elaenia chiriquensis chiriquensis*
 2 Mishael's House, Paraiso 17.2
- 324 **Mountain Elaenia** *Elaenia frantzii frantzii*
 2 Los Quetzales 17.2, 5 Boquete Tree Trek 18.2 and 5 Los Quetzales Trail, Boquete 20.2
- 325 **Brown-capped Tyrannulet** *Ornithion brunneicapillus*
 1 Old Gamboa Road 5.2 and 1 heard Pipeline Road 5k 5.2

- 326 **Southern Beardless Tyrannulet** *Camptostoma obsoletum flaviventre*
1 Old Gamboa Road 4.2, 1 Old Gamboa Road 6.2 and 1 Yaviza 9.2
- 327 **Mouse-colored Tyrannulet** *Phaeomyias murina eremonoma*
1 Gorgona, Malibu Ponds 22.2
- 328 **Yellow Tyrannulet** *Capsiempis flaveola semiflava*
1 Saint Francis Reserve, Wacuco 7.2
- 329 **Mistletoe Tyrannulet** *Zimmerius parvus*
1 heard Pipeline Road 5k 5.2, 1 Chagres NP, Campo Chagres 6.2, 1 Pirre Summit, (Camp 1) 13.2, 1 Mishael's House, Paraiso 17.2, 5 Palo Seco Reserve 19.2, 2 Los Quetzales Trail, Boquete 20.2, [2 Cerro Gaital 21.2] and 2 Cerro Gaital 22.2
- 330 **Panamanian Tyrannulet** *Phylloscartes flavovirens* Endemic
2 Metropolitan Park 4.2 and 1 heard Chagres NP, Campo Chagres 6.2
- 331 **Rufous-browed Tyrannulet** *Phylloscartes superciliaris superciliaris*
1 Palo Seco Reserve 19.2
- 332 **Olive-striped Flycatcher** *Mionectes olivaceus*
olivaceus: 1 Los Quetzales 17.2 and 2 Cerro Gaital 22.2
hederaceus: 2 Rancho Plastico Camp 14.2
- 333 **Ochre-bellied Flycatcher** *Mionectes oleagineus parvus*
1 Pipeline Road, Colon 4.2, 1 Metropolitan Park 4.2, 5 Pipeline Road 5k 5.2 and 1 heard Rancho Frio Station, Darien 10.2
- 334 **Sepia-capped Flycatcher** *Leptopogon amaurocephalus pileatus*
1 heard Cerro Gaital 21.2 and 1 heard Cerro Gaital 22.2
- 335 **Slaty-capped Flycatcher** *Leptopogon superciliaris superciliaris*
1 Volcan lakes 18.2
- 336 **Black-capped Pygmy Tyrant** *Myiornis atricapillus*
1+1 heard Pipeline Road 5k 5.2, 1 heard Rancho Frio Station, Darien 9.2, 1 heard Rancho Frio Station, Darien 10.2 and 1+1 heard Nusagandi 16.2
- 337 **Southern Bentbill** *Oncostoma olivaceum*
1 heard Pipeline Road, Colon 4.2, 1 Metropolitan Park 4.2, 3 heard Pipeline Road 5k 5.2 and 2 Saint Francis Reserve, Wacuco 7.2
- 338 **Scale-crested Pygmy Tyrant** *Lophotriccus pileatus luteiventris*
3 Pirre Summit, (Camp 1) 13.2, 2 Rancho Plastico Camp 14.2, 1 Palo Seco Reserve 19.2 and 1 Cerro Gaital 21.2
- 339 **Pale-eyed Pygmy Tyrant** *Atalotriccus pilaris wilcoxi*
1 Gorgona, Malibu Ponds 22.2. Endemic subspecies.
- 340 **Slaty-headed Tody-Flycatcher** *Poecilotriccus sylvia schistaceiceps*
1 Chagres NP, Campo Chagres 6.2
- 341 **Common Tody-Flycatcher** *Todirostrum cinereum wetmorei*
1 Saint Francis Reserve, Wacuco 7.2 and 1 Mishael's House, Paraiso 17.2
- 342 **Black-headed Tody-Flycatcher** *Todirostrum nigriceps*
3 Saint Francis Reserve, Wacuco 7.2, 1 Yaviza 8.2, 1 Yaviza 9.2, 1 Rancho Frio Station, Darien 15.2 and 1 Rio Mono bridge 16.2
- 343 **Eye-ringed Flatbill** *Rhynchocyclus brevirostris brevirostris*
1 Cuesta de Piedra 18.2
- 344 **Olivaceous Flatbill** *Rhynchocyclus olivaceus bardus*
1 Pipeline Road, Colon 4.2, 1 Rancho Frio Station, Darien 9.2 and 3 Rancho Frio Station, Darien 10.2
- 345 **Yellow-olive Flatbill** *Tolmomyias sulphurescens flavoolivaceus*
2 Metropolitan Park 4.2 and 1 Chagres NP, Campo Chagres 6.2

- 346 **Yellow-margined Flatbill** *Tolmomyias flavotectus*
1 Metropolitan Park 4.2, 1 heard Pipeline Road 5k 5.2, 1 heard Chagres NP, Campo Chagres 6.2, 2 Rancho Frio Station, Darien 10.2, 2 Rancho Frio Station, Darien 15.2 and 1 Palo Seco Reserve 19.2
- 347 **Ochre-lored Flatbill** *Tolmomyias flaviventris aurulentus*
1+3 heard Yaviza 8.2
- 348 **White-throated Spadebill** *Platyrinchus mystaceus neglectus*
1 Pirre Summit, (Camp 1) 12.2, 2 Pirre Summit, (Camp 1) 13.2 and 2 Cerro Gaital 21.2
- 349 **Golden-crowned Spadebill** *Platyrinchus coronatus superciliaris*
1 Rancho Frio Station, Darien 10.2, 1 Rancho Plastico Camp 11.2 and 1 Rancho Plastico Camp 14.2
- 350 **Black Phoebe** *Sayornis nigricans amnicola*
2 Cuesta de Piedra 18.2 and 1 Palo Seco Reserve 19.2
- 351 **Northern Tufted Flycatcher** *Mitrephanes phaeocercus aurantiiventris*
1 Los Quetzales 17.2 and 5 Los Quetzales Trail, Boquete 20.2
- 352 **Dark Pewee** *Contopus lugubris*
1 heard Los Quetzales 17.2 and 1 Los Quetzales Trail, Boquete 20.2
- 353 **Ochraceous Pewee** *Contopus ochraceus*
1+2 heard Los Quetzales 17.2
- 354 **Tropical Pewee** *Contopus cinereus brachytarsus*
1 Torti Town 8.2
- 355 **Yellow-bellied Flycatcher** *Empidonax flaviventris*
3 Mishael's House, Paraiso 17.2, 1 Cuesta de Piedra 18.2 and 1 Volcan lakes 18.2
- 356 **Acadian Flycatcher** *Empidonax virescens*
1 heard Pipeline Road 5k 5.2, 1 Chagres NP, Campo Chagres 6.2, 1 Saint Francis Reserve, Wacuco 7.2, 1 Torti Town 8.2, 1 heard Rancho Plastico Camp 11.2 and 1 Rancho Frio Station, Darien 15.2
- 357 **Yellowish Flycatcher** *Empidonax flavescens flavescens*
5 Los Quetzales 17.2, 1 Palo Seco Reserve 19.2 and 2 Los Quetzales Trail, Boquete 20.2
- 358 **Black-capped Flycatcher** *Empidonax atriceps*
2 Los Quetzales 17.2
- 359 **Long-tailed Tyrant** *Colonia colonus leuconota*
3 Saint Francis Reserve, Wacuco 7.2 and 1 heard Rancho Plastico Camp 11.2
- 360 **Piratic Flycatcher** *Legatus leucophaius leucophaius*
1 Yaviza 8.2, 1 Yaviza 9.2 and 1 Mishael's House, Paraiso 17.2
- 361 **Rusty-margined Flycatcher** *Myiozetetes cayanensis hellmayri*
1 Old Gamboa Road 4.2, 3 Old Gamboa Road 5.2 and 5 Saint Francis Reserve, Wacuco 7.2. Observed 5 days in total
- 362 **Social Flycatcher** *Myiozetetes similis columbianus*
2 Old Gamboa Road 4.2, 10 Old Gamboa Road 5.2, 3 Old Gamboa Road 6.2, 3 Saint Francis Reserve, Wacuco 7.2, 2 Palo Seco Reserve 19.2 and 1 Gorgona, Malibu Ponds 22.2. Observed 7 days in total
- 363 **Grey-capped Flycatcher** *Myiozetetes granadensis occidentalis*
1 Yaviza 8.2
- 364 **Great Kiskadee** *Pitangus sulphuratus guatemalensis*
2 Chagres NP, Campo Chagres 6.2, 2 Saint Francis Reserve, Wacuco 7.2, 1 en route 16.2, 1 Palo Seco Reserve 19.2 and 1 Finca Lerida Hotel 20.2. Observed 9 days in total

- 365 **Lesser Kiskadee** *Philohydor lictor panamensis*
2 Old Gamboa Road 4.2 and 2 Yaviza 9.2
- 366 **Golden-bellied Flycatcher** *Myiodynastes hemichrysus*
2 Palo Seco Reserve 19.2
- 367 **Golden-crowned Flycatcher** *Myiodynastes chrysocephalus minor*
1 Pirre Summit, (Camp 1) 13.2
- 368 **Streaked Flycatcher** *Myiodynastes maculatus*
3 Old Gamboa Road 4.2, 3 Old Gamboa Road 5.2, 2 Old Gamboa Road 6.2, 2 Chagres NP, Campo Chagres 6.2, 3 Saint Francis Reserve, Wacuco 7.2, 3 Yaviza 9.2 and 2 en route 16.2. Observed 7 days in total
- 369 **Boat-billed Flycatcher** *Megarynchus pitangua mexicanus*
1 Old Gamboa Road 4.2, 1 Saint Francis Reserve, Wacuco 7.2, 1 Volcan lakes 18.2 and 1 Gorgona, Malibu Ponds 22.2
- 370 **Tropical Kingbird** *Tyrannus melancholicus satrapa*
Observed 13 days in total
- 371 **Fork-tailed Flycatcher** *Tyrannus savana monachus*
1 Torti-Portal Avicar 7.2, 1 Saint Francis Reserve, Wacuco 7.2, 1 Torti Town 8.2, 1 en route 16.2, 2 en route 17.2, 2 La Barqueta Beach 20.2 and 1 Gorgona, Malibu Ponds 22.2
- 372 **Rufous Mourner** *Rhytipterna holerythra holerythra*
2 heard Pipeline Road 5k 5.2
- 373 **Choco Sirystes** *Sirystes albogriseus*
3 Pirre 1 Town 9.2
- 374 **Dusky-capped Flycatcher** *Myiarchus tuberculifer nigricapillus*: 1 heard Palo Seco Reserve 19.2
brunneiceps: 2 Pipeline Road, Colon 4.2, 2 Metropolitan Park 4.2, 1 heard Pipeline Road 5k 5.2, 1 heard Chagres NP, Campo Chagres 6.2 and 1+1 heard Cerro Gaital 21.2
- 375 **Panamanian Flycatcher** *Myiarchus panamensis panamensis*
5 Chagres NP, Campo Chagres 6.2 and 1 Yaviza 8.2
- 376 **Great Crested Flycatcher** *Myiarchus crinitus*
1+1 heard Pipeline Road 5k 5.2, 1 Saint Francis Reserve, Wacuco 7.2 and 2 Yaviza 9.2
- 377 **Bright-rumped Attila** *Attila spadiceus citreopyga*: 1 heard Volcan lakes 18.2
sclateri: 1 Old Gamboa Road 4.2, 1 Chagres NP, Campo Chagres 6.2, 1 Saint Francis Reserve, Wacuco 7.2, 1 heard Rancho Frio Station, Darien 9.2, 1 heard Rancho Frio Station, Darien 10.2 and 1 heard Rancho Frio Station, Darien 15.2
- 378 **Blue Cotinga** *Cotinga nattererii*
2 Pipeline Road 5k 5.2, 1 Saint Francis Reserve, Wacuco 7.2, 1 Yaviza 8.2, 2 Rancho Plastico Camp 11.2 and 2 Rancho Plastico Camp 14.2
- 379 **Three-wattled Bellbird** *Procnias tricarunculatus*
1+1 heard Palo Seco Reserve 19.2 and 2 Los Quetzales Trail, Boquete 20.2
- 380 **Rufous Piha** *Lipaugus unirufus unirufus*
+2 heard Rancho Frio Station, Darien 10.2, 3+5 heard Rancho Plastico Camp 11.2, 5 Rancho Plastico Camp 14.2 and +2 heard Rancho Plastico Camp 15.2
- 381 **Black-tipped Cotinga** *Carpodectes hopkei*
1 Rancho Plastico Camp 11.2

- 382 **Purple-throated Fruitecrow** *Querula purpurata*
5 Pipeline Road, Colon 4.2, 5 Pipeline Road 5k 5.2, 5 Saint Francis Reserve, Wacuco 7.2 and 2 Yaviza 9.2
- 383 **Lance-tailed Manakin** *Chiroxiphia lanceolata*
2 Old Gamboa Road 4.2, 2 heard Metropolitan Park 4.2 and 2+2 heard Chagres NP, Campo Chagres 6.2
- 384 **White-ruffed Manakin** *Corapipo altera altera*
4 Rancho Plastico Camp 11.2, 1 Rancho Plastico Camp 12.2, 4 Rancho Plastico Camp 14.2 and 1 heard Palo Seco Reserve 19.2
- 385 **Blue-crowned Manakin** *Lepidothrix coronata minuscula*
1 ♀ Pipeline Road, Colon 4.2, 3 Pipeline Road 5k 5.2 and 2 Nusagandi 16.2
- 386 **Golden-collared Manakin** *Manacus vitellinus vitellinus*
2 Old Gamboa Road 4.2, 1 heard Pipeline Road 5k 5.2, 2 heard Old Gamboa Road 6.2, 2 heard Chagres NP, Campo Chagres 6.2, 10 Saint Francis Reserve, Wacuco 7.2, 3 heard Torti Town 8.2, 2 heard Rancho Frio Station, Darien 9.2 and 2 heard Rancho Frio Station, Darien 15.2
- 387 **Orange-collared Manakin** *Manacus aurantiacus*
1 ♂ Mishael's House, Paraiso 17.2
- 388 **White-crowned Manakin** *Pseudopipra pipra anthracina*
1 ♀ Palo Seco Reserve 19.2
- 389 **Red-capped Manakin** *Ceratopipra mentalis minor*
1 ♀ Pipeline Road, Colon 4.2, 3 Pipeline Road 5k 5.2 and 2 Saint Francis Reserve, Wacuco 7.2
- 390 **Golden-headed Manakin** *Ceratopipra erythrocephala erythrocephala*
3+2 heard Rancho Frio Station, Darien 10.2, 2 heard Rancho Plastico Camp 11.2, 1 heard Rancho Plastico Camp 14.2 and 1 heard Rancho Plastico Camp 15.2
- 391 **Sharpbill** *Oxyruncus cristatus brooksi*
~~1 heard Rancho Plastico Camp 14.2~~
~~brooksi~~: 1 Rancho Plastico Camp 11.2, 1 heard there 14.2. Endemic subspecies.
- 392 **Northern Royal Flycatcher** *Onychorhynchus mexicanus mexicanus*
1 Chagres NP, Campo Chagres 6.2 and 1 heard Saint Francis Reserve, Wacuco 7.2
- 393 **Sulphur-rumped Myiobius** *Myiobius sulphureipygius aureatus*
1 Rancho Frio Station, Darien 9.2 and 1 Rancho Plastico Camp 14.2
- 394 **Black-tailed Myiobius** *Myiobius atricaudus atricaudus*
2 Metropolitan Park 4.2
- 395 **Ruddy-tailed Flycatcher** *Terenotriccus erythrurus fulvicularis*
1 Pipeline Road, Colon 4.2, 1 Metropolitan Park 4.2 and 1 Rancho Frio Station, Darien 15.2
- 396 **Black-crowned Tityra** *Tityra inquisitor albitorques*
1 Saint Francis Reserve, Wacuco 7.2 and 2 Pirre 1 Town 9.2
- 397 **Masked Tityra** *Tityra semifasciata*
costaricensis: 1 en route 18.2
columbiana: 2 Torti Town 8.2, 2 Yaviza 8.2, 3 Yaviza 9.2 and 4 Rancho Plastico Camp 14.2
- 398 **Northern Schiffornis** *Schiffornis veraepacis dumicola*
1 Cerro Gaital 21.2 and 1 Cerro Gaital 22.2. Endemic subspecies.
- 399 **Russet-winged Schiffornis** *Schiffornis stenorhyncha panamensis*
2 Pipeline Road 5k 5.2 and 1 Chagres NP, Campo Chagres 6.2
- 400 **Barred Becard** *Pachyramphus versicolor costaricensis*
1 ♀ Los Quetzales Trail, Boquete 20.2

- 401 **Cinnamon Becard** *Pachyramphus cinnamomeus cinnamomeus*
1 Old Gamboa Road 5.2, 1 Yaviza 8.2, 1 Yaviza 9.2 and 1 Rancho Frio Station,
Darien 15.2
- 402 **White-winged Becard** *Pachyramphus polychopterus similis*
1 ♀ Metropolitan Park 4.2 and 1 ♂ Chagres NP, Campo Chagres 6.2
- 403 **Rose-throated Becard** *Pachyramphus aglaiae hypophaeus*
2 Volcan lakes 18.2
- 404 **Rufous-browed Peppershrike** *Cyclarhis gujanensis subflavescens*
1 Los Quetzales 17.2, 1 heard Volcan lakes 18.2 and 1 Gorgona, Malibu Ponds 22.2
- 405 **Green Shrike-Vireo** *Vireolanius pulchellus viridiceps*
2 Metropolitan Park 4.2 and 1 heard Pipeline Road 5k 5.2
- 406 **Yellow-browed Shrike-Vireo** *Vireolanius eximius*
1 heard Rancho Plastico Camp 15.2
- 407 **Yellow-throated Vireo** *Vireo flavifrons*
2 Metropolitan Park 4.2, 1 Mishael's House, Paraiso 17.2 and 1 Volcan lakes 18.2
- 408 **Yellow-winged Vireo** *Vireo carmioli*
5 Los Quetzales 17.2 and 1 Los Quetzales Trail, Boquete 20.2
- 409 **Brown-capped Vireo** *Vireo leucophrys chiriquensis*
2 Los Quetzales 17.2 and 1 Los Quetzales Trail, Boquete 20.2
- 410 **Philadelphia Vireo** *Vireo philadelphicus*
1 Volcan lakes 18.2
- 411 **Yellow-green Vireo** *Vireo flavoviridis flavoviridis*
2 Chagres NP, Campo Chagres 6.2 and 1 Rancho Frio Station, Darien 15.2
- 412 **Golden-fronted Greenlet** *Hylophilus aurantiifrons aurantiifrons*
5 Old Gamboa Road 4.2, 10 Metropolitan Park 4.2 and 2 Chagres NP, Campo
Chagres 6.2
- 413 **Scrub Greenlet** *Hylophilus flavipes viridiflavus*
1 Old Gamboa Road 4.2 and 1 Old Gamboa Road 5.2
- 414 **Tawny-crowned Greenlet** *Hylophilus ochraceiceps bulunensis*
1 Rancho Frio Station, Darien 10.2 and 2 Rancho Plastico Camp 11.2
- 415 **Lesser Greenlet** *Hylophilus decurtatus*
decurtatus: 5 Volcan lakes 18.2, 2 Cerro Gaital 21.2 and 2 Cerro Gaital 22.2
darienensis: 5 Old Gamboa Road 4.2, 2 Old Gamboa Road 5.2, 3 Metropolitan Park
4.2, 2 Chagres NP, Campo Chagres 6.2, 2 Saint Francis Reserve, Wacuco 7.2, 2
Rancho Frio Station, Darien 10.2, 3 Rancho Plastico Camp 11.2, 2 Pirre Summit,
(Camp 1) 13.2 and 2 Nusagandi 16.2
- 416 **Black-chested Jay** *Cyanocorax affinis zeledoni*
4 Metropolitan Park 4.2, 1 heard Yaviza 9.2, 1 Volcan lakes 18.2 and 1 heard Cerro
Gaital 21.2
- 417 **Black-and-yellow Phainoptila** *Phainoptila melanoxantha melanoxantha*
2 Los Quetzales Trail, Boquete 20.2
- 418 **Long-tailed Silky-flycatcher** *Ptiliogonys caudatus*
20 Los Quetzales 17.2, 10 Boquete Tree Trek 18.2, 5 Boquete Tree Trek 19.2 and 5
Los Quetzales Trail, Boquete 20.2
- 419 **Mangrove Swallow** *Tachycineta albilinea*
20 Old Gamboa Road 4.2, 2 Yaviza 8.2, 10 en route 9.2 and 5 en route 15.2.
Observed 6 days in total
- 420 **Grey-breasted Martin** *Progne chalybea chalybea*
Observed 13 days in total

- 421 **Blue-and-white Swallow** *Notiochelidon cyanoleuca cyanoleuca*
25 Boquete Tree Trek 18.2, 10 Boquete Tree Trek 19.2 and 1 Cerro Gaital 22.2.
Observed 5 days in total
- 422 **Northern Rough-winged Swallow** *Stelgidopteryx serripennis*
2 en route 5.2
- 423 **Southern Rough-winged Swallow** *Stelgidopteryx ruficollis*
decolor: 2 Palo Seco Reserve 19.2
uropygialis: 10 en route 5.2, 10 Saint Francis Reserve, Wacuco 7.2, 2 Pirre Summit,
(Camp 1) 12.2, 5 en route 15.2 and 10 Cerro Gaital 22.2. Observed 6 days in total
- 424 **Barn Swallow** *Hirundo rustica erythrogaster*
100 en route 5.2 and 100 La Barqueta Beach 20.2
- 425 **White-headed Wren** *Campylorhynchus albobrunneus*
albobrunneus: 2 Yaviza 9.2. Endemic subspecies.
harterti: 4 Rancho Plastico Camp 11.2 and 5 Rancho Plastico Camp 14.2
- 426 **Bicolored Wren** *Campylorhynchus griseus albicilius*
2 en route 9.2
- 427 **Sooty-headed Wren** *Pheugopedius spadix*
2 Pirre Summit, (Camp 1) 12.2 and 2 Pirre Summit, (Camp 1) 13.2
- 428 **Black-bellied Wren** *Pheugopedius fasciatoventris albigularis*
2 Old Gamboa Road 5.2, 1 heard Saint Francis Reserve, Wacuco 7.2, 1 heard Yaviza
8.2 and 1 heard Yaviza 9.2
- 429 **Rufous-breasted Wren** *Pheugopedius rutilus hyperythrus*
4 Metropolitan Park 4.2, 1 Old Gamboa Road 6.2 and 1 heard Volcan lakes 18.2
- 430 **Isthmian Wren** *Cantorchilus elutus*
1 Old Gamboa Road 4.2, 2 Old Gamboa Road 5.2 and 1 heard Volcan lakes 18.2
- 431 **Buff-breasted Wren** *Cantorchilus leucotis galbraithii*
2 Old Gamboa Road 5.2, 2 Saint Francis Reserve, Wacuco 7.2 and 2 Torti Town 8.2
- 432 **Bay Wren** *Cantorchilus nigricapillus*
costaricensis: 1 heard Cerro Gaital 21.2 and 1 heard Cerro Gaital 22.2
castaneus: 2 Pipeline Road, Colon 4.2, 2 Pipeline Road 5k 5.2, 4 Saint Francis
Reserve, Wacuco 7.2 and 1 heard Nusagandi 16.2. Endemic subspecies.
schottii: 1 heard Rancho Frio Station, Darien 9.2 and 1 heard Rancho Frio Station,
Darien 15.2
- 433 **Stripe-breasted Wren** *Cantorchilus thoracicus*
2+1 heard Palo Seco Reserve 19.2
- 434 **Stripe-throated Wren** *Cantorchilus leucopogon leucopogon*
2 Rancho Frio Station, Darien 9.2 and 4 Rancho Frio Station, Darien 10.2
- 435 **House Wren** *Troglodytes aedon inquietus*
2 Torti-Portal Avicar 7.2, 1 en route 7.2, 1 Torti Town 8.2, 1 heard Torti-Portal
Avicar 16.2, 3 Mishael's House, Paraiso 17.2, 2 Cuesta de Piedra 18.2, 1 Cerro Gaital
21.2 and 1 Gorgona, Malibu Ponds 22.2
- 436 **Ochraceous Wren** *Troglodytes ochraceus ochraceus*
2 Mishael's House, Paraiso 17.2, 2 Palo Seco Reserve 19.2 and 1 Los Quetzales Trail,
Boquete 20.2
- 437 **White-breasted Wood Wren** *Henicorhina leucosticta*
pittieri: 1 heard Cerro Gaital 21.2
alexandri: 1 Pipeline Road 5k 5.2
darienensis: 1 heard Rancho Frio Station, Darien 10.2, 1 heard Rancho Plastico
Camp 11.2 and 1 heard Rancho Frio Station, Darien 15.2

- 438 **Grey-breasted Wood Wren** *Henicorhina leucophrys*
collina: 3 heard Los Quetzales 17.2, 1 heard Palo Seco Reserve 19.2, 1 heard Los Quetzales Trail, Boquete 20.2 and 1 heard Cerro Gaital 21.2
leucophrys: 1+1 heard Pirre Summit, (Camp 1) 12.2 and 1 Pirre Summit, (Camp 1) 13.2
- 439 **Southern Nightingale-Wren** *Microcerculus marginatus luscinia*
 1 Rancho Plastico Camp 11.2
- 440 **Song Wren** *Cyphorhinus phaeocephalus lawrencii*
 2 Pipeline Road, Colon 4.2, 4 Pipeline Road 5k 5.2 and 2+1 heard Saint Francis Reserve, Wacuco 7.2
- 441 **Tawny-faced Gnatwren** *Microbates cinereiventris*
semitorquatus: 2 Cerro Gaital 21.2 and 1 Cerro Gaital 22.2
cinereiventris: 2 Rancho Plastico Camp 11.2
- 442 **Long-billed Gnatwren** *Ramphocaenus melanurus*
rufiventris: 1 heard Palo Seco Reserve 19.2 and 1 Cerro Gaital 21.2
panamensis: 1 Pipeline Road, Colon 4.2, 2 Old Gamboa Road 4.2, 1 heard Pipeline Road 5k 5.2, 1 heard Rancho Plastico Camp 11.2 and 1 heard Nusagandi 16.2.
 Endemic subspecies.
- 443 **Tropical Gnatcatcher** *Polioptila plumbea superciliaris*
 2 Pipeline Road, Colon 4.2, 2 Old Gamboa Road 5.2, 2 Chagres NP, Campo Chagres 6.2, 1 Saint Francis Reserve, Wacuco 7.2 and 2 Yaviza 8.2. Observed 5 days in total
- 444 **Slate-throated Gnatcatcher** *Polioptila schistaceigula*
 2 Rancho Frio Station, Darien 10.2
- 445 **Tropical Mockingbird** *Mimus gilvus tolimensis*
 2 Old Panama City 6.2, 1 Torti-Portal Avicar 7.2, 1 Saint Francis Reserve, Wacuco 7.2, 1 Saint Francis Reserve, Wacuco 7.2, 2 Saint Francis Reserve, Wacuco 7.2, 2 Torti Town 8.2, 2 en route 9.2, 2 en route 15.2, 4 en route 16.2 and 5 en route 18.2.
 Observed 10 days in total
- 446 **Black-faced Solitaire** *Myadestes melanops*
 10 Los Quetzales 17.2, 1 Boquete Tree Trek 18.2 and 2 Los Quetzales Trail, Boquete 20.2
- 447 **Varied Solitaire** *Myadestes coloratus*
 10 Pirre Summit, (Camp 1) 12.2, 10 Pirre Summit, (Camp 1) 13.2 and 2 heard Pirre Summit, (Camp 1) 14.2
- 448 **Black-billed Nightingale-Thrush** *Catharus gracilirostris accentor*
 1 Los Quetzales 17.2. Endemic subspecies.
- 449 **Orange-billed Nightingale-Thrush** *Catharus aurantiirostris griseiceps*
 1 Mishael's House, Paraiso 17.2 and 2 Volcan lakes 18.2
- 450 **Slaty-backed Nightingale-Thrush** *Catharus fuscater fuscater*
 1 Pirre Summit, (Camp 1) 13.2 and 1 Pirre Summit, (Camp 1) 14.2
- 451 **Ruddy-capped Nightingale-Thrush** *Catharus frantzii wetmorei*
 2 Los Quetzales 17.2 and 1 Los Quetzales Trail, Boquete 20.2. Endemic subspecies.
- 452 **Black-headed Nightingale-Thrush** *Catharus mexicanus carrikeri*
 1+2 heard Palo Seco Reserve 19.2
- 453 **Mountain Thrush** *Turdus plebejus plebejus*
 2 Los Quetzales 17.2, 15 Boquete Tree Trek 18.2, 1 Boquete Tree Trek 19.2 and 3 Los Quetzales Trail, Boquete 20.2
- 454 **Pale-vented Thrush** *Turdus obsoletus obsoletus*
 1 heard Rancho Plastico Camp 11.2, 1 heard Rancho Plastico Camp 12.2, 1 heard Rancho Plastico Camp 14.2, 1 Palo Seco Reserve 19.2 and 2 Cerro Gaital 21.2

- 455 **Clay-colored Thrush** *Turdus grayi casius*
4 Pipeline Road, Colon 4.2, 1 Old Gamboa Road 4.2, 3 Torti Town 8.2, 1 Nusagandi 16.2, Common Volcan lakes 18.2 and 5 La Barqueta Beach 20.2. Observed 10 days in total
- 456 **White-throated Thrush** *Turdus assimilis cnephosus*
2 Volcan lakes 18.2
- 457 **American Dipper** *Cinclus mexicanus ardesiacus*
1 Los Quetzales Trail, Boquete 20.2
- 458 **House Sparrow** *Passer domesticus*
1 Old Panama City 6.2, 10 Yaviza 9.2 and 1 Torti-Portal Avicar 16.2. Observed 5 days in total
- 459 **Lesser Goldfinch** *Spinus psaltria colombianus*
10 Saint Francis Reserve, Wacuco 7.2, 6 Yaviza 8.2, 2 Yaviza 9.2, 5 Mishael's House, Paraiso 17.2 and 1 Finca Lerida Hotel 20.2
- 460 **Yellow-bellied Siskin** *Spinus xanthogastrus xanthogastrus*
1 Los Quetzales 17.2, 2 Cuesta de Piedra 18.2 and 10 Los Quetzales Trail, Boquete 20.2
- 461 **Yellow-crowned Euphonia** *Euphonia luteicapilla*
1 Old Gamboa Road 6.2, 3 Chagres NP, Campo Chagres 6.2, 2 Yaviza 9.2 and 2 Gorgona, Malibu Ponds 22.2
- 462 **Thick-billed Euphonia** *Euphonia laniirostris crassirostris*
1 Old Gamboa Road 6.2, 5 Chagres NP, Campo Chagres 6.2, 2 Torti-Portal Avicar 7.2, 2 Saint Francis Reserve, Wacuco 7.2, 2 Rio Mono bridge 16.2 and 2 Cuesta de Piedra 18.2
- 463 **Elegant Euphonia** *Euphonia elegantissima vincens*
2 Los Quetzales 17.2 and 2 Los Quetzales Trail, Boquete 20.2
- 464 **Fulvous-vented Euphonia** *Euphonia fulvicrissa fulvicrissa*
2 Rancho Frio Station, Darien 10.2, 2 Rancho Plastico Camp 11.2 and 2 Nusagandi 16.2
- 465 **Spot-crowned Euphonia** *Euphonia imitans*
3 Mishael's House, Paraiso 17.2 and 1 Cuesta de Piedra 18.2
- 466 **White-vented Euphonia** *Euphonia minuta humilis*
1 Nusagandi 16.2
- 467 **Tawny-capped Euphonia** *Euphonia anae*
anae: 4 Palo Seco Reserve 19.2, 4 Cerro Gaital 21.2 and 2 Cerro Gaital 22.2
rufivertex: 2 Nusagandi 16.2
- 468 **Orange-bellied Euphonia** *Euphonia xanthogaster chocoensis*
1 heard Rancho Frio Station, Darien 10.2, 1 Rancho Plastico Camp 11.2, 2 Pirre Summit, (Camp 1) 12.2, 10 Pirre Summit, (Camp 1) 13.2 and 3 Rancho Plastico Camp 14.2
- 469 **Golden-browed Chlorophonia** *Chlorophonia callophrys*
1 Los Quetzales 17.2, 1 heard Palo Seco Reserve 19.2 and 2 Los Quetzales Trail, Boquete 20.2
- 470 **Northern Waterthrush** *Parkesia noveboracensis*
1 Old Gamboa Road 4.2, 1 Saint Francis Reserve, Wacuco 7.2 and 1 Volcan lakes 18.2
- 471 **Golden-winged Warbler** *Vermivora chrysoptera*
2 Metropolitan Park 4.2, 1 ♀ Chagres NP, Campo Chagres 6.2, 5 Volcan lakes 18.2 and 1 Palo Seco Reserve 19.2

- 472 **Black-and-white Warbler** *Mniotilta varia*
2 Metropolitan Park 4.2, 1 Saint Francis Reserve, Wacuco 7.2, 5 Volcan lakes 18.2
and 2 Los Quetzales Trail, Boquete 20.2
- 473 **Prothonotary Warbler** *Protonotaria citrea*
2 Old Gamboa Road 5.2 and 2 Torti Town 8.2
- 474 **Flame-throated Warbler** *Oreothlypis gutturalis*
10 Los Quetzales 17.2 and 5 Los Quetzales Trail, Boquete 20.2
- 475 **Tennessee Warbler** *Leiothlypis peregrina*
1 Old Gamboa Road 5.2, 5 Torti Town 8.2, 1 Mishael's House, Paraiso 17.2, 5
Volcan lakes 18.2, 1 Finca Lerida Hotel 20.2, 1 Los Quetzales Trail, Boquete 20.2
and 1 Cerro Gaital 22.2
- 476 **Grey-crowned Yellowthroat** *Geothlypis poliocephala ridgwayi*
1 Volcan lakes 18.2
- 477 **Chiriqui Yellowthroat** *Geothlypis chiriquensis*
2 Volcan lakes 18.2
- 478 **Mourning Warbler** *Geothlypis philadelphia*
1 Yaviza 8.2
- 479 **Kentucky Warbler** *Geothlypis formosa*
1 Pipeline Road, Colon 4.2, 1 Metropolitan Park 4.2 and 1 heard Pipeline Road 5k
5.2
- 480 **Olive-crowned Yellowthroat** *Geothlypis semiflava bairdi*
1 Palo Seco Reserve 19.2
- 481 **American Redstart** *Setophaga ruticilla*
3 Volcan lakes 18.2
- 482 **Tropical Parula** *Setophaga pitiayumi inornata*
5 Volcan lakes 18.2 and 1 Palo Seco Reserve 19.2
- 483 **Magnolia Warbler** *Setophaga magnolia*
1 Chagres NP, Campo Chagres 6.2
- 484 **Bay-breasted Warbler** *Setophaga castanea*
1 Pipeline Road, Colon 4.2, 1 Metropolitan Park 4.2, 5 Chagres NP, Campo Chagres
6.2, 4 Saint Francis Reserve, Wacuco 7.2, 2 Yaviza 8.2, 1 Yaviza 9.2, 1 Rancho Frio
Station, Darien 10.2 and 1 Rancho Frio Station, Darien 15.2
- 485 **Blackburnian Warbler** *Setophaga fusca*
2 Pirre Summit, (Camp 1) 13.2, 1 Rancho Frio Station, Darien 15.2, 5 Volcan lakes
18.2, 2 Palo Seco Reserve 19.2 and 1 Los Quetzales Trail, Boquete 20.2
- 486 **American Yellow Warbler** *Setophaga aestiva aestiva*
1 Old Gamboa Road 5.2, 1 Old Gamboa Road 6.2, 3 Saint Francis Reserve, Wacuco
7.2, 1 Torti Town 8.2, 1 Yaviza 8.2, 2 Yaviza 9.2, 2 Gorgona, Malibu Ponds 22.2 and
3 Cerro Gaital 22.2
- 487 **Mangrove Warbler** *Setophaga petechia aequatorialis*
1 heard Old Panama City 6.2. Endemic subspecies.
- 488 **Chestnut-sided Warbler** *Setophaga pensylvanica*
1 Metropolitan Park 4.2, 3 Old Gamboa Road 5.2, 5 Chagres NP, Campo Chagres
6.2, 1 Saint Francis Reserve, Wacuco 7.2, 4 Yaviza 9.2, 2 Rancho Frio Station,
Darien 15.2, 2 Mishael's House, Paraiso 17.2, 10 Volcan lakes 18.2, 3 Palo Seco
Reserve 19.2, 2 Los Quetzales Trail, Boquete 20.2, 1 Cerro Gaital 21.2 and 2 Cerro
Gaital 22.2
- 489 **Yellow-throated Warbler** *Setophaga dominica*
1 Volcan lakes 18.2

- 490 **Black-throated Green Warbler** *Setophaga virens*
5 Los Quetzales 17.2 and 1 Volcan lakes 18.2
- 491 **Buff-rumped Warbler** *Myiothlypis fulvicauda semicervina*
2 Torti Town 8.2, 2 Rancho Frio Station, Darien 10.2 and 1 Rancho Plastico Camp
11.2
- 492 **Rufous-capped Warbler** *Basileuterus rufifrons mesochrysus*
3 Volcan lakes 18.2, 1 Cerro Gaital 21.2 and 1 Cerro Gaital 22.2
- 493 **Black-cheeked Warbler** *Basileuterus melanogenys eximius*
10 Los Quetzales 17.2. Endemic subspecies.
- 494 **Pirre Warbler** *Basileuterus ignotus*
1 Pirre Summit, (Camp 1) 12.2.
- 495 **Golden-crowned Warbler** *Basileuterus culicivorus godmani*
3 Volcan lakes 18.2
- 496 **Black-eared Warbler** *Basileuterus melanotis*
10 Palo Seco Reserve 19.2
- 497 **Canada Warbler** *Cardellina canadensis*
1 ♀ Cerro Gaital 21.2 and 2 Cerro Gaital 22.2
- 498 **Wilson's Warbler** *Cardellina pusilla*
5 Mishael's House, Paraiso 17.2, 10 Los Quetzales 17.2, 5 Volcan lakes 18.2 and 5
Los Quetzales Trail, Boquete 20.2
- 499 **Slate-throated Whitestart** *Myioborus miniatus*
aurantiacus: 5 Volcan lakes 18.2, 3 Palo Seco Reserve 19.2 and 5 Los Quetzales
Trail, Boquete 20.2
ballux: 4 Pirre Summit, (Camp 1) 13.2 and 1 Pirre Summit, (Camp 1) 14.2
- 500 **Collared Whitestart** *Myioborus torquatus*
5 Los Quetzales 17.2 and 3 Los Quetzales Trail, Boquete 20.2
- 501 **Wrenthrush** *Zeledonia coronata*
2+3 heard Los Quetzales 17.2 and 1 heard Los Quetzales Trail, Boquete 20.2
- 502 **Eastern Meadowlark** *Sturnella magna subulata*
1 Mishael's House, Paraiso 17.2. Endemic subspecies.
- 503 **Red-breasted Blackbird** *Sturnella militaris*
10 Saint Francis Reserve, Wacuco 7.2
- 504 **Chestnut-headed Oropendola** *Psarocolius wagleri ridgwayi*
1 Pipeline Road, Colon 4.2, 5 Radisson Hotel Summit 5.2, 10 Radisson Hotel
Summit 6.2, 2 heard Rancho Frio Station, Darien 9.2, Fairly Common Rancho Frio
Station, Darien 10.2, 10 Yaviza 9.2, 3 heard Rancho Frio Station, Darien 15.2, 5 Rio
Mono bridge 16.2, 1 Cerro Gaital 21.2 and 5 Cerro Gaital 22.2
- 505 **Crested Oropendola** *Psarocolius decumanus melanterus*
10 Yaviza 8.2, 10 Rancho Frio Station, Darien 9.2, Fairly Common Rancho Frio
Station, Darien 10.2 and 5 Mishael's House, Paraiso 17.2. Observed 5 days in total
- 506 **Montezuma Oropendola** *Psarocolius montezuma*
1 heard Palo Seco Reserve 19.2
- 507 **Black Oropendola** *Psarocolius guatimozinus*
1 heard Yaviza 8.2 and 5 Yaviza 9.2
- 508 **Yellow-rumped Cacique** *Cacicus cela vitellinus*
10 Pipeline Road, Colon 4.2, 10 Pipeline Road 5k 5.2, 5 Chagres NP, Campo
Chagres 6.2, 5 Rancho Frio Station, Darien 9.2 and 5 Rio Mono bridge 16.2

- 509 **Scarlet-rumped Cacique** *Cacicus microrhynchus*
microrhynchus: 2 Old Gamboa Road 4.2, 5 Pipeline Road 5k 5.2, 15 Radisson Hotel Summit 6.2 and 1 heard Nusagandi 16.2
pacificus: 5 Rancho Plastico Camp 14.2 and 5 Rancho Frio Station, Darien 15.2
- 510 **Yellow-backed Oriole** *Icterus chrysater giraudii*
 1 Old Gamboa Road 4.2 and 2 Chagres NP, Campo Chagres 6.2
- 511 **Baltimore Oriole** *Icterus galbula*
 2 Radisson Hotel Summit 5.2, 2 Radisson Hotel Summit 6.2, 1 Torti Town 8.2, 3 Volcan lakes 18.2, 1 Palo Seco Reserve 19.2 and 1 Gorgona, Malibu Ponds 22.2
- 512 **Yellow-tailed Oriole** *Icterus mesomelas carrikeri*
 4 Old Gamboa Road 5.2
- 513 **Orchard Oriole** *Icterus spurius*
 2 Torti-Portal Avicar 7.2, 5 Torti Town 8.2, 10 Yaviza 8.2 and 5 Yaviza 9.2
- 514 **Orange-crowned Oriole** *Icterus auricapillus*
 2 Saint Francis Reserve, Wacuco 7.2 and 3 Yaviza 8.2
- 515 **Giant Cowbird** *Molothrus oryzivorus*
impacifus: 3 Mishael's House, Paraiso 17.2
oryzivorus: 1 Yaviza 8.2 and 1 en route 9.2
- 516 **Shiny Cowbird** *Molothrus bonariensis cabanisii*
 2 Saint Francis Reserve, Wacuco 7.2, 3 Torti Town 8.2, 1 Rancho Frio Station, Darien 9.2 and 2 en route 15.2
- 517 **Bronzed Cowbird** *Molothrus aeneus aeneus*
 1 Volcan lakes 18.2
- 518 **Great-tailed Grackle** *Quiscalus mexicanus peruvianus*
 Observed 15 days in total
- 519 **Bananaquit** *Coereba flaveola*
mexicana: 5 Palo Seco Reserve 19.2 and 5 Cerro Gaital 21.2
columbiana: 3 Saint Francis Reserve, Wacuco 7.2, 5 Torti Town 8.2, 5 Yaviza 8.2, 5 Yaviza 9.2, 1 Pirre Summit, (Camp 1) 12.2, 1 Pirre Summit, (Camp 1) 13.2, 1 Pirre Summit, (Camp 1) 14.2, 3 Rancho Frio Station, Darien 15.2 and 1 Nusagandi 16.2
- 520 **Rufous-collared Sparrow** *Zonotrichia capensis costaricensis*
 5 Los Quetzales 17.2, 5 Boquete Tree Trek 18.2, 5 Boquete Tree Trek 19.2, 10 Finca Lerida Hotel 20.2 and Fairly Common Los Quetzales Trail, Boquete 20.2
- 521 **Black-striped Sparrow** *Arremonops conirostris striaticeps*
 1 Chagres NP, Campo Chagres 6.2
- 522 **Orange-billed Sparrow** *Arremon aurantirostris aurantirostris*
 1 Metropolitan Park 4.2
- 523 **Chestnut-capped Brushfinch** *Arremon brunneinucha*
elsae: 2 Los Quetzales 17.2
frontalis: 1 Pirre Summit, (Camp 1) 12.2, 1 Pirre Summit, (Camp 1) 13.2 and 30 Pirre Summit, (Camp 1) 13.2
- 524 **Costa Rican Brushfinch** *Arremon costaricensis*
 2 Mishael's House, Paraiso 17.2
- 525 **Large-footed Finch** *Pezopetes capitalis*
 10 Los Quetzales 17.2
- 526 **White-naped Brushfinch** *Atlapetes albinucha brunnescens*
 3 Volcan lakes 18.2 and 1 Los Quetzales Trail, Boquete 20.2. Endemic subspecies.
- 527 **Yellow-thighed Finch** *Pselliophorus tibialis*
 10 Los Quetzales 17.2 and 15 Los Quetzales Trail, Boquete 20.2

- 528 **Common Bush Tanager** *Chlorospingus flavopectus regionalis*
2 Boquete Tree Trek 18.2, 20 Palo Seco Reserve 19.2, Common Los Quetzales Trail,
Boquete 20.2 and 10 Cerro Gaital 21.2
- 529 **Pirre Bush Tanager** *Chlorospingus inornatus* Near-Endemic
15 Pirre Summit, (Camp 1) 12.2, 30 Pirre Summit, (Camp 1) 13.2 and 2 Pirre
Summit, (Camp 1) 14.2
- 530 **Sooty-capped Bush Tanager** *Chlorospingus pileatus*
20 Los Quetzales 17.2
- 531 **Yellow-throated Bush Tanager** *Chlorospingus flavigularis hypophaeus*
2 Palo Seco Reserve 19.2. Endemic subspecies.
- 532 **Dusky-faced Tanager** *Mitrospingus cassinii cassinii*
1 heard Rancho Frio Station, Darien 9.2, 1 Rancho Plastico Camp 11.2 and 1 heard
Nusagandi 16.2
- 533 **Grey-headed Tanager** *Eucometis penicillata cristata*
1 Pipeline Road, Colon 4.2 and 4 Pipeline Road 5k 5.2
- 534 **White-shouldered Tanager** *Tachyphonus luctuosus panamensis*
5 Pipeline Road, Colon 4.2, 10 Metropolitan Park 4.2, 4 Old Gamboa Road 5.2, 6
Pipeline Road 5k 5.2, 10 Saint Francis Reserve, Wacuco 7.2, 10 Saint Francis
Reserve, Wacuco 7.2, 5 Saint Francis Reserve, Wacuco 7.2, 2 Yaviza 8.2, 2 Rancho
Frio Station, Darien 10.2, 4 Rancho Plastico Camp 11.2 and 4 Rancho Frio Station,
Darien 15.2
- 535 **Tawny-crested Tanager** *Tachyphonus delatrii*
10 Nusagandi 16.2 and 10 Cerro Gaital 21.2
- 536 **Crimson-backed Tanager** *Ramphocelus dimidiatus dimidiatus*
2 Old Gamboa Road 4.2, 2 Old Gamboa Road 5.2, 1 Old Panama City 6.2, 10 Torti
Town 8.2, 10 Yaviza 8.2, 2 Nusagandi 16.2, 5 Cerro Gaital 21.2 and 10 Gorgona,
Malibu Ponds 22.2. Observed 8 days in total
- 537 **Passerini's Tanager** *Ramphocelus passerinii*
10 Palo Seco Reserve 19.2
- 538 **Cherrie's Tanager** *Ramphocelus costaricensis*
5 Mishael's House, Paraiso 17.2 and 5 Volcan lakes 18.2
- 539 **Lemon-rumped Tanager** *Ramphocelus icteronotus*
1 Saint Francis Reserve, Wacuco 7.2 and 1 Torti Town 8.2
- 540 **Blue-grey Tanager** *Thraupis episcopus cana*
1 Old Gamboa Road 4.2, 1 Radisson Hotel Summit 4.2, 10 Saint Francis Reserve,
Wacuco 7.2, 5 en route 15.2, 10 Mishael's House, Paraiso 17.2, 5 Volcan lakes 18.2,
2 Palo Seco Reserve 19.2, 3 Finca Lerida Hotel 20.2, 3 Cerro Gaital 21.2 and 1
Gorgona, Malibu Ponds 22.2. Observed 13 days in total
- 541 **Palm Tanager** *Thraupis palmarum atripennis*
10 Mishael's House, Paraiso 17.2, 5 Volcan lakes 18.2, 2 Palo Seco Reserve 19.2, 1
Cerro Gaital 21.2 and 1 Cerro Gaital 22.2. Observed 10 days in total
- 542 **Blue-and-gold Tanager** *Bangsia arcaei arcaei*
4 Palo Seco Reserve 19.2. Endemic subspecies.
- 543 **Plain-colored Tanager** *Tangara inornata*
rava: 2 Palo Seco Reserve 19.2
languens: 1 Old Gamboa Road 4.2, 1 Old Gamboa Road 5.2, 2 Pipeline Road 5k 5.2,
2 Radisson Hotel Summit 6.2, 2 Radisson Hotel Summit 6.2, 2 Radisson Hotel
Summit 6.2, 2 Radisson Hotel Summit 6.2, 2 Radisson Hotel Summit 6.2, 4 Radisson
Hotel Summit 6.2, 4 Chagres NP, Campo Chagres 6.2, 6 Saint Francis Reserve,
Wacuco 7.2, 5 Yaviza 9.2 and 3 Nusagandi 16.2

- 544 **Grey-and-gold Tanager** *Tangara palmeri*
2 Rancho Plastico Camp 11.2, 2 Rancho Plastico Camp 12.2 and 2 Pirre Summit,
(Camp 1) 13.2
- 545 **Emerald Tanager** *Tangara florida*
1 Rancho Frio Station, Darien 10.2, 2 Rancho Plastico Camp 11.2, 1 Pirre Summit,
(Camp 1) 12.2 and 3 Pirre Summit, (Camp 1) 13.2
- 546 **Silver-throated Tanager** *Tangara icterocephala*
frantzii: 5 Boquete Tree Trek 18.2, 5 Volcan lakes 18.2, 5 Palo Seco Reserve 19.2
and 2 Los Quetzales Trail, Boquete 20.2
oresbia: 2 Cerro Gaital 21.2
icterocephala: 2 Pirre Summit, (Camp 1) 12.2, 5 Pirre Summit, (Camp 1) 13.2 and 2
Rancho Plastico Camp 14.2
- 547 **Speckled Tanager** *Tangara guttata eusticta*
2 Rancho Plastico Camp 11.2, 2 Pirre Summit, (Camp 1) 12.2, 2 Pirre Summit,
(Camp 1) 13.2, 2 Rancho Plastico Camp 14.2 and 1 Volcan lakes 18.2
- 548 **Bay-headed Tanager** *Tangara gyrola*
bangsi: 1 Mishael's House, Paraiso 17.2, 1 Boquete Tree Trek 18.2, 5 Volcan lakes
18.2, 2 Palo Seco Reserve 19.2, 1 Cerro Gaital 21.2 and 1 Cerro Gaital 22.2
delecticia: 5 Rancho Frio Station, Darien 10.2, 5 Rancho Plastico Camp 11.2, 3 Pirre
Summit, (Camp 1) 12.2, 4 Pirre Summit, (Camp 1) 13.2 and 2 Rancho Plastico Camp
14.2
- 549 **Rufous-winged Tanager** *Tangara lavinia lavinia*
4 Rancho Plastico Camp 11.2
- 550 **Golden-hooded Tanager** *Tangara larvata*
centralis: 1 Mishael's House, Paraiso 17.2, 3 Volcan lakes 18.2 and 2 Palo Seco
Reserve 19.2
fanny: 1 Old Gamboa Road 4.2, 1 Radisson Hotel Summit 5.2 and 1 Pipeline Road
5k 5.2
- 551 **Spangle-cheeked Tanager** *Tangara dowii*
2 Palo Seco Reserve 19.2 and 1 Los Quetzales Trail, Boquete 20.2
- 552 **Green-naped Tanager** *Tangara fucosa*
1 Pirre Summit, (Camp 1) 12.2 and 3 Pirre Summit, (Camp 1) 13.2
- 553 **Scarlet-thighed Dacnis** *Dacnis venusta*
venusta: 20 Mishael's House, Paraiso 17.2 and 5 Palo Seco Reserve 19.2
fuliginata: 4 Rancho Frio Station, Darien 10.2, 2 Rancho Plastico Camp 11.2, 1
Rancho Plastico Camp 14.2 and 2 Rio Mono bridge 16.2
- 554 **Blue Dacnis** *Dacnis cayana*
callaina: 2 Mishael's House, Paraiso 17.2
ultramarina: 2 Pipeline Road, Colon 4.2, 6 Old Gamboa Road 4.2, 2 Metropolitan
Park 4.2, 5 Radisson Hotel Summit 5.2, 5 Pipeline Road 5k 5.2, 10 Saint Francis
Reserve, Wacuco 7.2, 2 Torti Town 8.2, 10 Rancho Frio Station, Darien 10.2 and 2
Rio Mono bridge 16.2
- 555 **Viridian Dacnis** *Dacnis viguieri*
2 Rancho Frio Station, Darien 10.2
- 556 **Shining Honeycreeper** *Cyanerpes lucidus isthmicus*
5 Nusagandi 16.2
- 557 **Purple Honeycreeper** *Cyanerpes caeruleus chocoanus*
4 Rancho Frio Station, Darien 10.2, 5 Rancho Plastico Camp 11.2 and 1 Rancho
Plastico Camp 14.2

- 558 **Red-legged Honeycreeper** *Cyanerpes cyaneus carneipes*
2 Radisson Hotel Summit 5.2, 2 Radisson Hotel Summit 6.2, 2 Saint Francis Reserve,
Wacuco 7.2, 5 Torti Town 8.2 and 10 en route 18.2
- 559 **Green Honeycreeper** *Chlorophanes spiza argutus*
2 Metropolitan Park 4.2, 3 Pipeline Road 5k 5.2, 1 Radisson Hotel Summit 6.2, 2
Rancho Frio Station, Darien 10.2, 5 Rancho Plastico Camp 11.2 and 3 Nusagandi
16.2
- 560 **Scarlet-browed Tanager** *Heterospingus xanthopygius xanthopygius*
15 Rancho Frio Station, Darien 10.2 and 4 Rancho Plastico Camp 11.2
- 561 **Yellow-backed Tanager** *Hemithraupis flavicollis ornata*
1 Rancho Frio Station, Darien 10.2 and 3 Rancho Frio Station, Darien 15.2
- 562 **Black-and-yellow Tanager** *Chrysothlypis chrysomelas*
chrysomelas: 2 Palo Seco Reserve 19.2. Endemic subspecies.
ocularis: 3 Rancho Plastico Camp 11.2, 4 Pirre Summit, (Camp 1) 12.2, 5 Pirre
Summit, (Camp 1) 13.2 and 5 Nusagandi 16.2
- 563 **White-eared Conebill** *Conirostrum leucogenys panamense*
10 Rio Mono bridge 16.2
- 564 **Slaty Flowerpiercer** *Diglossa plumbea*
5 Los Quetzales 17.2, 3 Boquete Tree Trek 18.2, 1 Boquete Tree Trek 19.2 and 10
Finca Lerida Hotel 20.2
- 565 **Saffron Finch** *Sicalis flaveola*
2 Radisson Hotel Summit 6.2
- 566 **Slate-colored Grosbeak** *Saltator grossus saturatus*
1 Pipeline Road, Colon 4.2, 1 Rancho Plastico Camp 12.2 and 1 heard Pirre Summit,
(Camp 1) 13.2
- 567 **Buff-throated Saltator** *Saltator maximus*
magnoides: 1 Mishael's House, Paraiso 17.2, 2 Volcan lakes 18.2, 5 Palo Seco
Reserve 19.2, 2 Cerro Gaital 21.2 and 2 Cerro Gaital 22.2
iungens: 1 Old Gamboa Road 4.2, 2 Saint Francis Reserve, Wacuco 7.2, 2 Yaviza 8.2
and 2 Yaviza 9.2
- 568 **Streaked Saltator** *Saltator striatipectus furax*
2 Mishael's House, Paraiso 17.2 and 2 Volcan lakes 18.2
- 569 **Blue-black Grassquit** *Volatinia jacarina splendens*
20 Saint Francis Reserve, Wacuco 7.2. Observed 3 days in total
- 570 **Variable Seedeater** *Sporophila corvina*
hoffmanni: 5 Mishael's House, Paraiso 17.2
hicksii: 2 Old Gamboa Road 4.2, 10 Chagres NP, Campo Chagres 6.2, 10 Saint
Francis Reserve, Wacuco 7.2 and 5 Yaviza 9.2
- 571 **Yellow-bellied Seedeater** *Sporophila nigricollis nigricollis*
10 Radisson Hotel Summit 4.2 and 2 Yaviza 9.2
- 572 **Ruddy-breasted Seedeater** *Sporophila minuta centralis*
1 Torti Town 8.2, 5 Yaviza 8.2, 5 Yaviza 8.2 and 1 Yaviza 8.2
- 573 **Thick-billed Seed Finch** *Oryzoborus funereus ochrogyne*
1 Old Gamboa Road 4.2 and 1 Radisson Hotel Summit 6.2
- 574 **Yellow-faced Grassquit** *Tiaris olivaceus pusillus*
2 Nusagandi 16.2, 2 Los Quetzales 17.2, 5 Boquete Tree Trek 18.2, 3 Los Quetzales
Trail, Boquete 20.2, 2 Cerro Gaital 21.2 and 2 Cerro Gaital 22.2
- 575 **Rosy Thrush-Tanager** *Rhodinocichla rosea eximia*
2+3 heard Metropolitan Park 4.2, 1 heard Old Gamboa Road 6.2 and 1 heard Chagres
NP, Campo Chagres 6.2

- 576 **Flame-colored Tanager** *Piranga bidentata citrea*
3 Boquete Tree Trek 18.2, 1 Volcan lakes 18.2 and 5 Finca Lerida Hotel 20.2
- 577 **Tooth-billed Tanager** *Piranga lutea testacea*
2 Rancho Plastico Camp 11.2 and 2 Cerro Gaital 21.2
- 578 **Summer Tanager** *Piranga rubra rubra*
1 Old Gamboa Road 4.2, 5 Old Gamboa Road 5.2, 1 Volcan lakes 18.2, 1 ♂ Palo Seco Reserve 19.2 and 1 Gorgona, Malibu Ponds 22.2
- 579 **White-winged Tanager** *Piranga leucoptera latifasciata*
2 Volcan lakes 18.2
- 580 **Red-crowned Ant Tanager** *Habia rubica vinacea*
2 Pipeline Road, Colon 4.2, 10 Metropolitan Park 4.2, 2 Volcan lakes 18.2 and 2 Cerro Gaital 21.2
- 581 **Red-throated Ant Tanager** *Habia fuscicauda willisi*
5 Pipeline Road, Colon 4.2, 5 Metropolitan Park 4.2, 1 heard Old Gamboa Road 5.2, 2 Old Gamboa Road 6.2 and 2 Chagres NP, Campo Chagres 6.2. Endemic ssp.
- 582 **Lemon-spectacled Tanager** *Chlorothraupis olivacea*
2 Rancho Frio Station, Darien 10.2, 6 Rancho Plastico Camp 11.2, 1 Rancho Plastico Camp 12.2, 2 Pirre Summit, (Camp 1) 13.2 and 2 Rancho Plastico Camp 14.2
- 583 **Black-thighed Grosbeak** *Pheucticus tibialis*
1 ♂ Los Quetzales Trail, Boquete 20.2
- 584 **Rose-breasted Grosbeak** *Pheucticus ludovicianus*
1 Old Gamboa Road 4.2, 1 Radisson Hotel Summit 5.2, 2 Chagres NP, Campo Chagres 6.2 and 2 Mishael's House, Paraiso 17.2
- 585 **Yellow-green Grosbeak** *Caryothraustes canadensis simulans*
1 Pirre Summit, (Camp 1) 12.2 and 2 there 13.2. Endemic subspecies.
- 586 **Blue-black Grosbeak** *Cyanocompsa cyanoides caerulescens*
1 Palo Seco Reserve 19.2

MAMMALS

- 1 **Black-eared Opossum** *Didelphis marsupialis*
1 Boquete Tree Trek 19.2
- 2 **Brown-throated Sloth** *Bradypus variegatus*
1 Pipeline Road, Colon 4.2, 1 Chagres NP, Campo Chagres 6.2, 1 Torti Town 8.2 and 1 Yaviza 8.2
- 3 **Hoffmann's Two-toed Sloth** *Choloepus hoffmanni*
1 Old Gamboa Road 6.2 and 1 Chagres NP, Campo Chagres 6.2
- 4 **Northern Tamandua** *Tamandua mexicana*
1 Chagres NP, Campo Chagres 6.2
- 5 **Geoffroy's Tamarin** *Saguinus geoffroyi*
6 Metropolitan Park 4.2, 5 Old Gamboa Road 6.2, 5 Chagres NP, Campo Chagres 6.2, 3 Saint Francis Reserve, Wacuco 7.2, 2 Yaviza 8.2, 1 heard Rancho Frio Station, Darien 9.2 and 2 Rancho Frio Station, Darien 10.2
- 6 **White-throated Capuchin** *Cebus capucinus capucinus*
4 Pipeline Road, Colon 4.2, 5 Pipeline Road 5k 5.2, 10 Saint Francis Reserve, Wacuco 7.2 and 10 Pirre Summit, (Camp 1) 14.2
- 7 **Mantled Howler Monkey** *Alouatta palliata aequatorialis*
1 heard Pipeline Road, Colon 4.2, 10 Pipeline Road 5k 5.2, 20 Torti Town 8.2, 1 heard Yaviza 8.2, 1 heard Yaviza 9.2, 1 heard Rancho Frio Station, Darien 10.2, +2 heard Rancho Plastico Camp 11.2, 1 Pirre Summit, (Camp 1) 12.2, 1 heard Rancho Plastico Camp 14.2, 1 heard Rancho Plastico Camp 15.2 and 20 Rio Mono bridge 16.2

- 8 **Brown-headed Spider Monkey** *Ateles fusciceps rufiventris*
2 heard Saint Francis Reserve, Wacuco 7.2
- 9 **Tapeti** *Sylvilagus brasiliensis*
2 Boquete Tree Trek 19.2
- 10 **Lesser Capybara** *Hydrochoerus isthmus*
1 Radisson Hotel Summit 4.2 and 2 Old Gamboa Road 5.2
- 11 **Central American Agouti** *Dasyprocta punctata*
2 Rancho Frio Station, Darien 9.2. Observed 3 days in total
- 12 **Central American Dwarf Squirrel** *Microsciurus alfari*
1 Pirre Summit, (Camp 1) 13.2
- 13 **Western Dwarf Squirrel** *Microsciurus mimulus*
1 Pirre Summit, (Camp 1) 13.2
- 14 **Red-tailed Squirrel** *Sciurus granatensis*
1 Pipeline Road 5k 5.2, 1 Yaviza 8.2, 1 Rancho Frio Station, Darien 10.2, 5 Rancho Plastico Camp 11.2, 1 Los Quetzales 17.2, 1 Volcan lakes 18.2, 1 Los Quetzales Trail, Boquete 20.2 and 2 Cerro Gaital 21.2
- 15 **Variagated Squirrel** *Sciurus variegatoides*
1 Metropolitan Park 4.2 and 1 Chagres NP, Campo Chagres 6.2
- 16 **White-nosed Coati** *Nasua narica*
5 Pipeline Road, Colon 4.2, 5 Pipeline Road, Colon 4.2, 2 Pipeline Road, Colon 4.2 and 10 Pipeline Road 5k 5.2

REPTILES

- 1 **Bighead Anole** *Anolis capito*
1 Cerro Gaital 21.2
- 2 **Common Basilisk** *Basiliscus basiliscus*
1 Yaviza 8.2, 1 Rancho Frio Station, Darien 9.2, 2 Rancho Frio Station, Darien 10.2 and 1 Rancho Frio Station, Darien 15.2
- 3 **Green Iguana** *Iguana iguana*
2 Rancho Frio Station, Darien 9.2
- 4 **Yellow-headed Gecko** *Gonatodes albogularis*
2 Rancho Frio Station, Darien 15.2
- 5 **Delicate Ameiva** *Ameiva leptophrys*
1 Rancho Plastico Camp 14.2
- 6 **American Crocodile** *Crocodylus acutus*
1 en route 15.2

AMPHIBIANS

- 1 **Cane Toad** *Rhinella marina*
1 Volcan lakes 18.2
- 2 **Green and Black Poison Frog** *Dendrobates auratus*
1 Rancho Plastico Camp 11.2