Panama
1 - 14 May 2010

By
Dick Meijer
Peter van Scheepen
Eldert Groenewoud
Peter Los

Crested Eagle (Cana)

Los Quetzales (Chiriqui)
Introduction

We (Eldert Groenewoud, Peter Los, Peter van Scheepen and Dick Meijer) decided to visit Panama. Our twin objectives were to see a good sample of Central American species of bird complementary to species recorded during former birding trips to Costa Rica, Mexico, Guatemala, Belize and the South American mainland, whilst at the same time capturing a fine selection of those on video or photo. We insisted on visiting Cana Field Station and Cerro Pirre in the Darien with good options to see a few much sought after and endemic species. Because of our Darien ambitions we had to work with Ancon Expeditions (www.anconexpeditions.com or +5072699414). They did a great job: the logistics were perfect and the guides Roberto (Cana) and Hernan (elsewhere) were of invaluable help. We were not very happy about the way business were concluded preceding our departure to Panama. Frequently Ancon took too much time to answer our emails. Another flaw was the rather boring 6 hours drive from Panama City to Puerto Quipa followed by the 1 hour boat trip from Puerto Quipa to La Palma instead of our scheduled flight Panama City to La Palma. We had a 14 days trip and spread our time over the Canal Zone (Pipeline-, Achiote- and Escobal Road) the Darien (Mogue, Cana Field Station and Cerro Pirre) and the Chiriqui Highlands (Volcano and Boquete). This turned out to be a good formula: we had a very successful trip!

We recorded 443 species of which 18 species were only heard (Little Tinamou, Boat-billed Heron, Spotted Wood-Quail, Pheasant Cuckoo, Tropical Screech-Owl, Spectacled Owl, Gray Potoo, White-bellied Antbird, Choco and Silver-fronted Tapaculo, Speckled Mournr, Lance-tailed Manakin, Scale-crested Pygmy-Tyrant, Bright-rumped Attila, Orange-billed Nightingale-Thrush, Yellow-browed Shrike-Vireo, Southern Nightingale-Wren, Rosy Thrush-Tanager).

It was very good birding every day which is also reflected by the number of species recorded per day with 141 species on 1 May being our best achievement:

<table>
<thead>
<tr>
<th>Date</th>
<th>Number of species</th>
<th>Date</th>
<th>Number of species</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 May</td>
<td>141</td>
<td>8 May</td>
<td>43</td>
</tr>
<tr>
<td>2 May</td>
<td>135</td>
<td>9 May</td>
<td>74</td>
</tr>
<tr>
<td>3 May</td>
<td>104</td>
<td>10 May</td>
<td>126</td>
</tr>
<tr>
<td>4 May</td>
<td>96</td>
<td>11 May</td>
<td>75</td>
</tr>
<tr>
<td>5 May</td>
<td>112</td>
<td>12 May</td>
<td>66</td>
</tr>
<tr>
<td>6 May</td>
<td>110</td>
<td>13 May</td>
<td>110</td>
</tr>
<tr>
<td>7 May</td>
<td>96</td>
<td>14 May</td>
<td>79</td>
</tr>
</tbody>
</table>

The top 5 species of our trip, voted by the four participants, were:
1. Crested Eagle in Cana
2. Rufous-vented Ground-Cuckoo near the Canopy Tower, Pipeline Road
3. Harpy Eagle in Mogue
4. Three-wattled Bellbird in Finca Lerida
5. Ocellated Antbird near the Canopy Tower, Pipeline Road and en route from Pirre Cloud Forest Camp back to the Cana Field Station

Our major dips were:
- the endemic Yellow-Green Tyrannulet in the Canal Zone and Cana
- Black Antshrike in Mogue
- Garden Emerald in David
- Surfbird at the mudflats
Specially in the Darien all of us had to deal with ticks (10 to 20 daily!) and flies of the Tephritid fly family, leaving their larvae in skins of cattle and unfortunately also in our skins. It took several weeks before all our wounds were healed; in Eldert’s case only after surgery in the hospital in Amsterdam. We used malaria prophylaxis (Malarone) mainly because of a serious risk in the Darien (Mogue). At the Costa del Este dengue is very likely to occur but we didn’t have any problems.

September 2010

### Itinerary

<table>
<thead>
<tr>
<th>Date</th>
<th>Transport and accommodation</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 April</td>
<td>Flight KL 757 Amsterdam - Panama City. Transfer by minivan from Tocumen International Airport to the Gamboa Rainforest Resort. No bird watching activities. Slept in Gamboa Rainforest Resort.</td>
</tr>
<tr>
<td>1 May</td>
<td>By car to the Pipeline Road, Summit Ponds and Plantation Loop. Slept in Gamboa Rainforest Resort.</td>
</tr>
<tr>
<td>2 May</td>
<td>By car to the Escobal and Achiote Road. Slept in Gamboa Rainforest Resort.</td>
</tr>
<tr>
<td>3 May</td>
<td>By car to the Canopy Tower and the Discovery Center. By car from Gamboa to Puerto Quipa and by boat from Puerto Quipa to Mogue, Punta Patoño Reserve, Darien. Slept in Mogue.</td>
</tr>
<tr>
<td>4 May</td>
<td>Walked to Harpy Eagle’s nest. Slept in Mogue.</td>
</tr>
<tr>
<td>5 May</td>
<td>By boat from Mogue to La Palma and by plane from La Palma to Cana Field Station, Darien. Walked the Locomotion Trail. Slept in Cana Field Station (800 m).</td>
</tr>
<tr>
<td>6 May</td>
<td>Walked the Palitoni and Boca de Cupe Trails. Slept in Cana Field Station.</td>
</tr>
<tr>
<td>7 May</td>
<td>Walked to Cerro Pirre Camp (1200 m). Slept in Pirre Cloud Forest Camp.</td>
</tr>
<tr>
<td>8 May</td>
<td>Walked to summit of Cerro Pirre (1500 m). Slept in Pirre Cloud Forest Camp.</td>
</tr>
<tr>
<td>9 May</td>
<td>Walked to summit of Cerro Pirre and down to Cana Field Station. Slept in Cana Field Station.</td>
</tr>
<tr>
<td>10 May</td>
<td>Walked the Mine Trail. By plane from Cana to Panama City. By car to leftovers of mangroves at Costa del Este and to the Metropolitan Nature Park. Slept in the Holiday Inn, Panama City.</td>
</tr>
<tr>
<td>11 May</td>
<td>By plane from Panama City to David, Chiriqui. By car from David to Hotel dos Rios, Volcan. Birded the Volcan Lakes. Slept in Hotel dos Rios, Volcano (1750 m.).</td>
</tr>
<tr>
<td>12 May</td>
<td>By car to Los Quetzales, La Amistad and Hotel Bambito. Slept in Hotel dos Rios.</td>
</tr>
<tr>
<td>13 May</td>
<td>By car to the Querevalo Road and Finca Cielito Sur and Boquete, Chiriqui. Slept in Finca Lerida, Boquete (1700 m.).</td>
</tr>
<tr>
<td>14 May</td>
<td>Walked to Finca Lerida Cloud Forest. By car from Boquete to Enrique Malik Airport in David and by plane from David to Panama City. By car to the mudflats and to Tocumen International Airport. Flight KL 758 Panama City - Amsterdam. Slept in plane.</td>
</tr>
<tr>
<td>15 May</td>
<td>Arrived in Amsterdam at 13.30 hrs.</td>
</tr>
</tbody>
</table>
Daily log

30 April
Left Amsterdam at 13.40 hrs. with flight KL 757 and returned there two hours later because of problems with the cabin pressure. Changed plane and left Amsterdam again with some 4 hours delay and arrived in Panama City at 21.30 hrs. Met our friendly driver and went by minivan to the comfortable Gamboa Rainforest Resort (www.gamboaresort.com or +5073145000), where we slept without having seen any bird.

1 May
Met our guide Hernan Arauz (harauz@anconexpeditions.com). Went by car to the entrance area of Pipeline Road, walked this road for approximately 2 kms. as far as Rio Friolito from 7.00 to 12.00 hrs. slowly building up our lists. Went to the Summit Ponds and the Summit Park (Jardin Botanico) from 13.00 to 14.00 hrs., to the Plantation Loop from 14.00 to 15.45 hrs. and birded the hotel grounds from 16.00 to 17.30 hours.
Best species:
Panama Flycatcher, Plain-colored Tanager, Red-lored Parrot and Orange-chinned Parakeet (Gamboa). Southern Bentbill, Pheasant Cuckoo (H), Bicolored Antbird (H), Red-capped Manakin, Black-cheeked Woodpecker, Black-striped Woodcreeper, Streak-chested Antpitta, Brown-capped Tyrannulet, Dot-winged Antwren, Long-billed Gnatwren, Brownish Flycatcher (Twistwing) (H), Black-breasted Puffbird (H) and Pygmy Antwren (Pipeline Road).
Capped Heron and Purple-crowned Fairy (Summit Ponds).
 Rufescent Tiger-Heron (Gamboa) and Lesser Swallow-tailed Swift (Canal)

2 May
Went by car to the Caribbean side of Panama.
Checked the Gatun Locks from 5.00 to 6.15 hrs., drove and walked the Escobal Road and Parque Nacional Lorenzo from 6.45 to 8.00 hrs. and the Achiote Road from 8.00 to 9.45 hrs. Walked the Trogon Trail from 9.45 to 10.30 hrs. and had a lunch break at Casca from 11.00 to 12.00 hrs. Drove back to Gamboa birding en route and went to the Hummingbird feeders at the Discovery Center from 16.00 to 17.00 hrs. Birded the hotel grounds again till dark.
Best species:
White-vented Plumeteer, Slaty-tailed trogon, White-vented Euphonia and Songwren (H) (Escobal Road).
Golden-collared Manakin, Black-throated Trogon, Black-chested Jay, Cocoa Woodcreeper, and Violet-bellied Hummingbird (Achiote Road).
Chestnut-backed and Spotted Antbird (Trogon Trail).
Blue-chested Hummingbird, Long-tailed Hermit, Snowy-bellied Hummingbird and
Violet-crowned Woodnymph (Hummingbird feeders at Discovery Center).
Grey-headed Woodrail and Louisiana Waterthrush (Gamboa).
Weather: warm 30 °C, not windy.
Slept in Gamboa Rainforest Resort.

3 May
Went by car to the Discovery Center and the Canopy Tower, climbed the tower and birded the area around the tower from 6.45 to 10.00 hrs. Drove from Gamboa to Puerto Quipa from 10.00 to 15.45 hrs. and went by boat from Puerto Quipa to Mogue, a village of the indigenous Embera tribe, from 15.45 to 18.00 hrs.
Best species:
White-winged Tanager, Blue Cotinga, Green Shrike-vireo, Bicolored Antbird, Ocellated Antbird and Rufous-vented Ground-Cuckoo (Canopy Tower area).
Mangrove Black-Hawk, Peregrine and Marbled Godwit (at sea).
Rufous-and-green Kingfisher, Eastern Kingbird, and Spotted Antbird (H) (river and Mogue)
Weather: light rain while at sea, warm 30 °C.
Slept in camping tents pitched inside a 'tambo' (house on poles with thatched roof) in Mogue, Punta Patiño Reserve in the Darien.

4 May
Walked from the village to a Harpy Eagle’s nest from 5.30 to 12.45 hrs.
Birded the area around the Mogue River from 13.45 to 18.00 hrs.
Best species:
Harpy Eagle (juvenile on the nest), Cinnamon Becard, Great Tinamou, King Vulture, White-flanked Antwren and Flame-rumped Tanager (trail to Harpy Eagle), Buff-breasted Wren, Black-throated Mango, Orange-crowned Oriole, Pale-bellied Hermit, Black Oropendola and Black-headed Tody-Flycatcher (near river Mogue).
Weather: warm over 30 °C.
Slept in camping tents pitched inside a ‘tambo’ (house on poles with thatched roof) in Mogue, Punta Patiño Reserve in the Darien.

5 May
Birded the area around the ‘tambo’ and the river from 5.30 hrs to 9.00 hrs., went by boat from Mogue to La Palma from 9.00 to 11.00 hrs. Went by Islander plane from La Palma to Cana Field Station after having met our Cana guide Roberto Mediana, arrived in Cana after less than one hour at 13.30 hrs. Birded the area around the station and later walked Locomotion Trail from 16.00 hrs to 18.00 hrs. Went out at night again to the airstrip and Locomotion Trail from 21.50 to 23.30 hrs.
Best species:
Great Potoo (H), Northern Waterthrush and Bat Falcon (Mogue).
Forest and Yellow-bellied Elaenia, Western Wood Pewee, Barred Puffbird, White-headed Wren, Stripe-cheeked Woodpecker, Golden-collared Manakin, Viridian Dacnis (Field Station), Crested Guan, Fulvous-breasted Antpitta (H), Great Green Macaw (and Chestnut-fronted, Red-and-Green and Blue-and-Yellow) and Vermiculated or (potential split) Choco Screech-Owl (airstrip and Locomotion Trail).
Weather: warm over 30 °C and dry.
Slept in Cana Field Station in fairly good rooms (800 m).
6 May
Birded from the balcony near the dining room during breakfast, walked the Palitoni Trail from 7.00 to 12.30 hrs. and the Boca de Cupe Trail and the airstrip from 13.40 to 17.45 hrs.
Best species:
Pacific Antwren and Gray-capped Flycatcher (balcony), Stripe-throated Hermit, Broad-billed Manakin (Sapayoa), White-whiskered Puffbird, Spectacled Tanager, Spot-crowned Barbet, Chestnut-backed Antbird (Eastern Panama subspecies), Bay Wren (Darien subspecies), Great Curassow, Golden-headed Manakin, Fulvous-breasted Antpitta, Dusky-backed Jacamar, Black-tipped Cotinga, and Blue-crowned Manakin (Palitoni Trail), Yellow-backed Oriole, Western Long-billed Hermit, Gray-cheeked Nunlet, and Tawny-crested Tanager and White-eared Conebill (Boca de Cupe Trail).
Weather: warm over 30 °C and dry.
Slept in Cana Field Station in fairly good rooms.

7 May
Climbed Cerro Pirre till Pirre Cloud Forest Camp, a slow-paced 5 hour hike from 6.00 to 15.20 hrs. and birded the area around the camp at 1200 m. including the viewing point from 15.30 hrs. to dark.
Best species:
Rufous Mourner, Orange-billed sparrow, Rufous Piha, Black-breasted Puffbird, Sharpbill, Olive-striped Flycatcher, Cinnamon Woodpecker, Northern Barred Woodcreeper, Scarlet-thighed Dacnis, Golden-crowned Spadebill, Greenish Puffleg, Eastern Woodpewee, White-ruffed Manakin, Tody Motmot, Yellow-collared Chlorophonia (H), and Slaty Antwren (slope Cerro Pirre).
Varied Solitaire, Rufous-cheeked (Pirre) Hummingbird, Violet-throated Toucanet, Rufous-breasted Anthrush, Slaty-backed Nightingale-Thrush, Russet-crowned Quail-Dove (H) and Choco Tapaculo (H) (around the camp).
Weather: warm over 30 °C and dry.
Slept in Pirre Cloud Forest Camp, in tents under a thatched roof with a basic shower and bathroom nearby.

8 May
Walked to the summit of Cerro Pirre and birded around the camp.
Best species:
Spectacled Owl (H), Russet-crowned Quail-Dove (prolonged very good views), Pirre Bush-Tanager, Golden-collared Chlorophonia, Green Hermit, Green-naped Tanager, Tooth-billed Hummingbird, Bronze-olive Pygmy-Tyrant, Pirre Warbler (on the summit), Plain Antvireo, and Barred Forest-Falcon.
Weather: cloudy, had a heavy shower on the very summit.
Slept in Pirre Cloud Forest Camp.

9 May
Climbed the summit again and succeeded with some effort in finding the much sought after Beautiful Treerunner half way the camp and the summit and saw most of the species of the day before. Started our descent to the Field Station at 12.30 hrs., arrived there at 16.00 hrs. and birded around the station till dark.
Best species:
Tody Motmot, Bicolored, Ocellated and Immaculate Antbird, White-headed Wren, and Yellow-green Grosbeak (slope of Cerro Pirre).
Black-tipped Cotinga and Paltry Tyrannulet (Cana Field Station).
Weather: excellent weather
Slept in Cana Field Station.

10 May
Walked the Mine Trail from 6.00 to 8.30 hrs. and spent two very productive hours (raptorwise) around the main buildings of the station. Went by plane to Panama City at 10.30 hrs. and left Panama City at 13.15 after having said goodbye to our guide Roberto Medina, Hernan taking over the guiding again. Visited the Juan Diaz Bridge and the depressing part of what is left of the mangroves at the Costa del Este from 13.15 hrs. to 15.15 hrs. and the Metropolitan Nature Park from 15.15 to 17.45 hrs. Birded the grounds of Holiday Inn from 17.45 till dark.
Best species:
Dusky Antbird, Buff-rumped Warbler, Streak-chested Antpitta, Rufous-winged Antwren, Sooty-headed Tyrannulet, Crested Eagle and Olivaceous Piculet (Mine Trail).
Great Black-Hawk, King Vulture, Black-tipped Cotinga, Double-toothed Kite, Plumbeous Kite, Orange-breasted Falcon, White Hawk, Black Hawk-Eagle and Lesser Swallow-tailed Swift (around Cana Field Station).
Sulphur-bellied Flycatcher, Mangrove Warbler, and Lesser Goldfinch (Costa del Este, mangroves).
Yellow-crowned Parrot and Scarlet-backed Tanager (Holiday Inn).
Weather: pleasant in Cana 25 °C and very hot in Panama City 33 °C, dry.
Slept in Holiday Inn, Panama City (www.hinnpanama.com or + 5073174000).

11 May
Birded the hotel grounds again in early morning and went by plane (Saab 340 B) to David, Aeropuerto Enrique Malik at 9.45 hrs. Went by car to Hotel dos Rios (12.15 hrs.) and birded the Volcan Lakes and airstrip from 14.45 to 17.00 hrs.
Best species:
Cherrie’s Tanager, White-throated Robin, Brown-capped and Yellow-green Vireo, Volcano Hummingbird, and Scarlet-thighed Dacnis (Hotel dos Rios).
Snowy-bellied Hummingbird, Paltry Tyrannulet (H), Rufous-capped Warbler, Plain Wren, and Yellow-throated Brushfinch (Volcan Lakes).
Weather: light rain and pleasant temperature 25° C.
Slept in Hotel dos Rios (www.dosrios.com.pa or +5077715555), a fairly good place without much luxury (1750 m.).

12 May
Went by car to Los Quetzales near El Retoño and walked the main trail from 8.00 to 12.00 hrs. We went higher up the volcano to La Amistad part of the park after lunch and birded the rather humid forest from 13.00 to 17.00 hrs. Finally we birded the grounds of Hotel Bambito from 17.00 hrs. till dark.

Best species:
Yellow-bellied Siskin, Flame-throated Warbler, Black-thighed Grosbeak, Streak-breasted Treehunter, Prong-billed Barbet and Silvery-throated Tapaculo (H) (higher part La Amistad).
Spotted Wood-Quail (H) and Streaked Flycatcher (Hotel Bambito).
Weather: rainy with some heavy showers in the afternoon and pleasant temperatures of 25° C.
Slept in Hotel dos Rios.

13 May
Left Hotel dos Rios after birding the garden. Drove the Querevalo Road by car intermittently walking down the road. Birded the hummingbird feeders at Finca Cielito Sur (www.cielitocur.com ). Had an early lunch at Hotel dos Rios at 11.45 hrs. and drove back to the valley and up again to Boquete birding en route. Arrived at Finca Lerida, Boquete at 17.30 hrs. and birded the hotel grounds till dark.
Best species:
Shining Honeycreeper, Olive-striped Flycatcher, Riverside Wren (H), and Dark Pewee (Querevalo Road).
Green-crowned Brilliant, Green Violet-ear, Emerald Toucanet and Violet Sabrewing (Cielito Sur).
Scintillant Hummingbird, Slaty Flowerpiercer, Barred Parakeet, Rosy-Thrush-
Tanager (H), and Orange-billed Nightingale-Thrush (H) (Finca Lerida).

Weather: pleasant on the mountain and very warm in the valley, mainly dry.
Slept in Finca Lerida (1700 m.), a comfortable place to stay.
(www.fincalerida.com or +5077202285)

14 May
Walked to the Finca Lerida Cloud Forest from 6.00 to 11.00 hrs. and drove back to David to catch our plane to Panama City after having said goodbye to our guide Hernan Arauz (www.hernanaarauz.com or +50766782625). Birded the mudflats in heavy thunderstorms in the afternoon and were brought to the international airport to catch the KL 758 back to Amsterdam at 20.05 hrs. Had this time a flight without problems whatsoever.

Best species:
Spotted Wood-Quail (H), Scintillant Hummingbird, Mountain Elaenia, Golden-browed Chlorophonia, Sulphur-winged Parakeet, Black-faced Solitaire (H), Three-wattled Bellbird, Tufted Flycatcher, Silvery-fronted Tapaculo (H), Resplendent Quetzal (two males after some effort) and Acorn Woodpecker (Finca Lerida).

Short-billed Dowitcher and White-rumped Sandpiper (Mudflats).

Weather: pleasant and dry on the mountain, heavy thunderstorms at the mudflats.
Slept in the plane.

15 May
Arrived in Amsterdam at 13.30 hrs., said goodbye to each other after having collected our luggage.

References
Trip Reports
- Remco Hofland, List of birds recorded in Panama. 2-17 January 2010.
- Steve Bird, Panama – May/June 2006.
- Birding Panama. 11-24 February 2009.
- Birding Panama. 26 March-8 April 2008.

Field Guides
In the field we used:
- George R. Angehr and Dodge & Lorna Engleman, Where to find Birds in Panama. Panama Audubon Society, Panama 2006.

Eldert Groenewoud eigroenew@hetnet.nl
Peter Los emmypeterlos@home.nl
Dick Meijer dfmeijer@hotmail.com
Peter van Scheepen p.van.scheepen@casema.nl
Systematic lists

Birds

(E) – Endemic (7)
(I) – Introduced (3)

1. Great Tinamou (*Tinamus major*)
   1 seen at the Pipeline Road on 1-5, 1 at Mogue, heard at Metropolitan Nature Park, Panama City on 10-5 and at the Volcan Lakes on 11-5.

2. Little Tinamou (*Crypturellus soui*)
   Heard at Mogue on 4-5 and 5-5, at Cana Field Station on 5-5, 6-5, 9-5 and 10-5.

3. Least Grebe (*Tachybaptus dominicus*)
   8 seen at Gamboa Rainforest Resort on 1-5 and 1 en route to Boquete.

4. Pied-billed Grebe (*Podilymbus podiceps*)
   8 seen at Gamboa Rainforest Resort on 1-5 and 1 at the Volcan Lakes on 11-5.

5. Magnificent Frigatebird (*Fregata magnificens*)
   2 seen at the Panama Canal on 2-5, 3 at sea en route to Mogue, 100 at Panama City on 10-5, 27 en Route to Boquete on 13-5 and 1 at Panama City on 14-5.

6. Neotropic Cormarant (*Phalacrocorax brasilianus*)
   50 seen en route to Mogue on 3-5, 1 at Mogue on 4-5, 40 en route to La Palma on 5-5, 1000 at Panama City on 10-5, 1 at the Volcan Lakes on 11-5 and 5 at Panama City on 14-5.

7. Anhinga (*Anhinga anhinga*)
   2 seen at the Gamboa Rainforest Resort on 1-5 and and 1 there on 2-5, 1 at Costa del Este on 10-5 and 10 en route to Boquete on 13-5.

8. Brown Pelican (*Pelecanus occidentalis*)
   1 seen at the Panama Canal on 2-5, 12 at the Canopy Tower, 500 at Golfo de San Miguel, en route to Mogue on 3-5, 10 at Golfo de San Miguel en route to La Palma on 5-5, 21 at Cana Field Station on 10-5, 1000 at Panama City on 10-5 and 250 at Panama City on 14-5.
9. **Black-bellied Whistling-Duck** (*Dendrocygna autumnalis*)
   8 seen at the Summit Ponds on 1-5, 30 at Canopy Tower on 2-5, 6 at on 3-5, 20 at the Holiday Inn Hotel, Panama City on 10-5, 2 at the Volcan Lakes on 11-5 and 10 en route to Boquete on 13-5

10. **Tricolored Heron** (*Egretta tricolor*)
    3 seen at the Gamboa Rainforest Resort on 2-5, 30 en route from Puerto Quipa to Mogue on 3-5 and 2 en route from Mogue to La Palma on 5-5.

11. **Little Blue Heron** (*Egretta caerulea*)
    1 to 10 seen on 5 dates in the Canal Zone/Panama City and at Mogue and 20 en route to Boquete.

12. **Snowy Egret** (*Egretta thula*)
    1 to 10 seen on 6 dates in the Canal Zone/Panama City and at Mogue and 20 en route to Boquete.

14. **Capped Heron** (*Pilherodius pileatus*)
    1 seen at Summit Ponds on 1-5.

15. **Great Blue Heron** (*Ardea herodias*)
    1 seen at Lake Gatun on 2-5.

16. **Cocoí Heron** (*Ardea cocoi*)
    1 seen at the Juan Diaz bridge, Panama City.

17. **Great Egret** (*Casmerodius albus*)
    2 to 20 seen on 6 dates in the Canal Zone/Panama City and en route to and from Mogue and 20 en route to Boquete.

18. **Cattle Egret** (*Bubulcus ibis*)
    2 to 1000 seen on 4 dates in the Canal Zone/Panama City, 2 to 50 at volcano on 11-5 and 12-5 and common en route to Boquete.

19. **Striated Heron** (*Butorides striatus*)
    1 seen at the Gamboa Rainforest Resort on 2-5 and 1 at Hotel Dos Rios, Volcano on 13-5.
20. **Green Heron** (*Butorides virescens*)
   3 seen at the Gamboa Rainforest Resort on 1-5 and 5 on 2-5, 5 en route from Puerto Quipa to Mogue at the Rio Mogue, 1 at the Volcan Lakes and 5 en route to Boquete.

21. **Yellow-crowned Night-Heron** (*Nyctanassa violacea*)
   2 seen en route from Puerto Quipa to Mogue on 3-5, 3 en route from Mogue to La Palma on 5-5 and 5 at the Mudflats, Panama City on 14-5.

22. **Black-crowned Night-Heron** (*Nycticorax nycticorax*)
   3 seen at the Juan Diaz bridge at Panama Cty on 10-5 and 10 en route to Boquete.

23. **Boat-billed Heron** (*Cochlearius cochlearius*)
   1 heard at Summit Ponds on 1-5.

24. **Bare-throated Tiger-Heron** (*Tigrisoma mexicanum*)
   2 seen en route from Puerto Quipa to Mogue on 3-5 and 1 at Mogue on 4-5.

25. **Rufescent Tiger-Heron** (*Tigrisoma lineatum*)
   2 seen at Gamboa on 1-5 and 4 there on 2-5.
26. **White Ibis** (*Eudocimus albus*)
   200 seen en route from Puerto Quipa to Mogue on 3-5, 35 en route from Mogue to La Palma on 5-5, 4 at the Juan Diaz bridge, Panama City on 10-5, 20 en route to Boquete on 13-5 and 10 at the Mudflats at Panama City on 14-5.

![White Ibis](image)

**White Ibis (Mudfats, Panama City)**

27. **Wood Stork** (*Mycteria americana*)
   1 at Costa del Este on 10-5 and 10 en route to Boquete on 13-5.

28. **Black Vulture** (*Cathartes atratus*)
   Common, not seen at Cana.

29. **Turkey Vulture** (*Cathartes aura*)
   Common at the Canal Zone/Panama City and Mogue, 1 seen at Volcano on 12-5 and 10 en route to Boquete on 13-5.

30. **King Vulture** (*Sarcoramphus papa*)
   2 seen at Mogue on 4-5, 1 at Cana on 6-5 and 5 on 10-5.

31. **Osprey** (*Pandion haliaetus*)
   1 seen at the Gamboa Rainforest Resort on 1-5 and 1 en route from Puerto Quipa to Mogue on 3-5.

32. **Swallow-tailed Kite** (*Elanoides forficatus*)
   5 seen at the Escobal Road on 2-5, 1 to 2 on 4 dates at Cana Field Station/Pirre Cloud Forest Camp.

33. **White-tailed Kite** (*Elanus leucurus*)
   1 seen en route from Panama City to Puerto Quipa on 3-5, 1 at Volcano on 11-5 and 12-5 and 1 en route to Boquete on 13-5.

34. **Snail Kite** (*Rostrhamus sociabilis*)
   4 seen at the Gamboa Rainforest Resort on 2-5.
35. **Double-toothed Kite** (*Harpagus bidentatus*)
   1 to 5 seen at the Canal Zone/Panama City on 6 dates.

36. **Plumbeous Kite** (*Ictinia plumbea*)
   4 seen at the Achiote Road and Lake Gatun and 1 at the Canopy Tower on 2-5, 1 at Mogue on 4-5, 18 at Cana Field Station on 5-5, 3 there on 6-5 and 1 on 10-5.

37. **Tiny Hawk** (*Accipiter superciliosus*)
   1 seen at the Canopy Tower on 3-5.

38. **Crane Hawk** (*Geranospiza caerulescens*)
   1 seen at Mogue on 4-5.

39. **Plumbeous Hawk** (*Leucopternis plumbea*)
   1 seen at Cana Field Station on 5-5.

40. **Semiplumbeous Hawk** (*Leucopternis semiplumbea*)
   2 seen at the Canopy Tower on 3-5.

41. **White Hawk** (*Leucopternis albicollis*)
   1 to 3 seen on 7 dates at the Canal Zone/Panama City, Mogue and Cana.
42. **Common Black-Hawk** (*Buteogallus anthracinus*)
   3 seen at Lake Gatun on 2-5, 2 at Mogue on 4-5, 5 en route from Mogue to La Palma (Rio Mogue) on 5-5 and 4 at Costa del Este on 10-5.

43. **Mangrove Black-Hawk** (*Buteogallus subtilis*)
   4 seen en route from Puerto Quipa to Mogue (Rio Mogue) on 3-5 and 3 en route from Mogue to La Palma (Rio Mogue) on 5-5.

![Mangrove Black-Hawk (Rio Mogue)](image)

44. **Great Black-Hawk** (*Buteogallus urubitinga*)
   2 seen at Cana Field Station on 10-5.

![Great Black-Hawk (Cana)](image)

45. **Roadside Hawk** (*Buteo magnirostris*)
   1 seen at La Palma Airport on 5-5, 5 en route to Boquete on 13-5 and 3 en route to David on 14-5.

46. **Short-tailed Hawk** (*Buteo brachyurus*)
   1 seen at the Metropolitan Nature Park, Panama City on 10-5.

47. **Swainson’s Hawk** (*Buteo swainsoni*)
   5 seen by Dick and Roberto from the plane close to Cana Field Station on 5-5.
48. **Zone-tailed Hawk** (*Buteo albonotatus*)  
1 seen at the Gamboa Rainforest Resort on 1-5.

49. **Red-tailed Hawk** (*Buteo jamaicensis*)  
1 seen at Finca Lerida on 14-5.

50. **Crested Eagle** (*Morphnus guianensis*)  
1 ad. (dark morph) seen sitting in a tree near former Ornate Hawk-Eagle nest at Cana on 10-5.

51. **Harpy Eagle** (*Harpia harpyja*)  
1 juv. seen at the nest at Mogue on 4-5.

52. **Black Hawk-Eagle** (*Spizaetus tyrannus*)  
1 heard at Pipeline Road on 1-5, 1 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 1 at Cana Field Station on 10-5.
53. Red-throated Caracara (*Daptrius americanus*)  
1 heard at Mogue on 4-5, 2 seen at the air strip at Cana Field Station on 6-5 and heard at Cana Field Station on 7-5 and 9-5.

54. Northern Crested Caracara (*Polyborus cheriway*)  
1 seen en route to Boquete on 13-5.

55. Yellow-headed Caracara (*Milvago chimachima*)  
4 seen at the Gamboa Rainforest Resort on 2-5, 2 en route to Puerto Quipa on 3-5, 1 at Costa del Este on 10-5, 1 en route to Hotel dos Rios, Volcano on 11-5, 3 en route to Boquete on 13-5 and 1 en route to David on 14-5.

56. Laughing Falcon (*Herpetotheres cachinnans*)  
1 seen and 1 heard at Costa del Este on 10-5.

57. Barred Forest-Falcon (*Micrastur ruficollis*)  
1 heard at the Summit Ponds on 1-5 and 1 seen at Pirre Cloud Forest Camp on 8-5.

58. Bat Falcon (*Falco rufigularis*)  
2 seen at Lake Gatun on 2-5 and 1 at Mogue on 5-5.

59. Peregrine Falcon (*Falco peregrinus*)  
1 seen en route on a cliff from Puerto Quipa to Mogue (Golfo de San Miguel) on 3-5.
60. Orange-breasted Falcon \textit{(Falco deiroleucus)}
   1 seen at Cana Field Station on 10-5.

61. Gray-headed Chachalaca \textit{(Ortalis cinereiceps)}
   5 seen at Pipeline Road on 1-5, 8 at Lake Gatun on 2-5, 15 at the
   Locomotion Trail, Cana Field Station on 5-5 and 10 at the Querevalo Road on
   13-5.

62. Crested Guan \textit{(Penelope purpurascens)}
   1 to 8 seen on 5 dates at Cana Field Station.

63. Great Curassow \textit{(Crax rubra)}
   2 seen at the Palitoni Trail, Cana Field Station on 6-5.

64. Spotted Wood-Quail \textit{(Odontophorus guttatus)}
   Heard at Hotel Bambito on 12-5 and at Finca Lerida on 14-5.

65. Gray-necked Wood-Rail \textit{(Aramides cajanea)}
   2 seen at Gamboa Rainforest Resort on 2-5, heard at Mogue on 4-5 and at
   the Volcan Lakes on 11-5 and 2 seen at Hotel dos Rios, Volcano on 13-5.

66. Purple Gallinule \textit{(Porphyrio martinicus)}
   4 seen at the Gamboa Rainforest Resort on 2-5, 1 at Juan Diaz bridge,
   Panama City on 10-5 and 1 en route to Boquete on 13-5.

67. Common Moorhen \textit{(Gallinula chloropus)}
   20 seen at the Gamboa Rainforest Resort on 1-5 and 10 there on 2-5
   and 8 at the Volcano Lakes on 11-5.

68. American Coot \textit{(Fulica americana)}
   1 seen at the Volcano Lakes on 11-5.

69. Limpkin \textit{(Aramus guarauna)}
   1 seen at the Gamboa Rainforest Resort on 1-5 and 3 there on 2-5.

70. Northern Jacana \textit{(Jacana spinosa)}
   20 seen en route to Boquete on 13-5.
71. **Wattled Jacana** (*Jacana jacana*)
   3 to 20 seen on 4 dates in the Canal Zone/Panama City.

72. **Marbled Godwit** (*Limosa fedoa*)
   1 seen at Golfo de San Miguel en route from Puerto Quipa to Mogue on 3-5.

73. **Whimbrel** (*Numenius phaeopus hudsonicus*)
   30 seen en route from Puerto Quipa to Mogue on 3-5, 6 en route from Mogue to La Palma on 5-5 and 20 at the Mudflats, Panama City on 14-5.

74. **Greater Yellowlegs** (*Tringa melanoleuca*)
   1 seen at Costa del Este on 10-5 and 1 en route to Boquete on 13-5.

75. **Lesser Yellowlegs** (*Tringa flavipes*)
   4 seen at Lake Gatun on 2-5.

76. **Solitary Sandpiper** (*Tringa solitaria*)
   2 seen at the Rio Mogue, en route from Puerto Quipa to Mogue on 3-5 and 1 at the Volcan Lakes on 11-5.

77. **Spotted Sandpiper** (*Tringa macularia*)
   1 seen at the Gamboa Rainforest Resort on 1-5, 2 at Lake Gatun on 2-5, 4 at Golfo de San Miguel, en route from Puerto Quipa to Mogue at on 3-5, 1 at Mogue on 4-5, 3 at the Rio Mogue, en route from Mogue to La Palma on 5-5, 2 at the Querevalo Road on 13-5 and 2 at the Mudflats, Panama City on 14-5.
78. Willet (*Catoptrophorus semipalmatus*)
   1 seen en route from Puerto Quipa to Mogue on 3-5 and 20 at the Mudflats, Panama City on 14-5.

79. Ruddy Turnstone (*Arenaria interpres*)
   10 seen at the Mudflats, Panama City on 14-5.

80. Short-billed Dowitcher (*Limnodromus griseus*)
   20 seen at the Mudflats, Panama City on 14-5.

81. Semipalmated Sandpiper (*Calidris pusilla*)
   2 seen at Lake Gatun on 2-5 and 30 at the Mudflats, Panama City on 14-5.

   ![Semipalmated Sandpiper (Mudflats, Panama City)](image)

82. Western Sandpiper (*Calidris mauri*)
   100 seen at the Mudflats, Panama City on 14-5.

83. Least Sandpiper (*Calidris minutilla*)
   1 seen at Lake Gatun on 2-5 and 20 at the Mudflats, Panama City on 14-5.

   ![Least Sandpiper (Mudflats, Panama City)](image)

84. White-rumped Sandpiper (*Calidris fuscicollis*)
   2 seen at the Mudflats, Panama City on 14-5.
85. **Wilson’s Phalarope** (*Steganopus tricolor*)
   3 seen en route to Boquete on 13-5.

86. **Black-necked Stilt** (*Himantopus mexicanus*)
   10 seen en route to Boquete on 13-5.

87. **American Golden-Plover** (*Pluvialis dominica*)
   2 seen at the Mudflats, Panama City on 14-5.

88. **Gray Plover** (*Pluvialis squatarola*)
   25 seen at the Mudflats, Panama City on 14-5.

89. **Semipalmated Plover** (*Charadrius semipalmatus*)
   30 seen at the Mudflats, Panama City on 14-5.

90. **Southern Lapwing** (*Vanellus chilensis*)
   4 seen at Gamboa on 1-5, 6 at Lake Gatun on 2-5, 2 at La Palma Airport on 5-5, 10 at Juan Diaz bridge, Panama City on 10-5 and 1 at David on 14-5.

91. **Laughing Gull** (*Larus atricilla*)
   70 seen en route from Puerto Quipa to Mogue on 3-5, 10 en route from Mogue to La Palma on 5-5, 50 at Panama City on 10-5 and 50 at the Mudflats, Panama City on 14-5.

92. **Black Tern** (*Chlidonias niger*)
   3 seen en route to Boquete on 13-5.

93. **Royal Tern** (*Sterna maxima*)
   4 seen en route from Puerto Quipa to Mogue on 3-5, 1 en route from Mogue to La Palma on 5-5 and 2 at the Mudflats, Panama City on 14-5.

94. **Scaled Pigeon** (*Columba speciosa*)
   1 seen at the Discovery Centre on 3-5 and 2 at the Boca de Cupe Trail, Cana Field station on 6-5.

95. **Band-tailed Pigeon** (*Columba fasciata*)
   8 seen at Hotel Bambito on 12-5, 2 at Finca Cielito Sur and Hotel dos Rios, Volcano on 13-5 and 20 Finca Lerida at on 14-5.
96. **Pale-vented Pigeon** (*Columba cayennensis*)
   20 seen-heard at Pipeline Road-Gamboa on 1-5, 1 at the Escobal road on 2-5, 30 at Rio Mogue, en route from Puerto Quipa to Mogue on 3-5, 2 at the Holiday Inn Hotel, Panama City on 10-5 and 12 there on 11-5 and 5 at the Querevalo Road on 13-5.

97. **Plumbeous Pigeon** (*Columba plumbea*)
   1 seen at the Locomotion trail, Cana Field Station on 5-5, 1 heard at Cana Field Station and Pirre Cloud Forest Camp, Cana on 6-5 and heard at Cana Field Station on 5 dates.

98. **Ruddy Pigeon** (*Columba subvinacea*)
   1 seen at the Gamboa Rainforest Resort on 1-5, 3 seen at Lake Gatun on 2-5, 1 at Cana Field Station on 5-5 and 2 there on 6-5 and heard at Cana Field Station and Pirre Cloud Forest Camp on 7 to 10-5 and at La Amistad on 12-5.

99. **Short-billed Pigeon** (*Columba nigrirostris*)
   1 seen at the Escobal Road on 2-5.

100. **Ruddy Ground-Dove** (*Columbina talpacoti*)
   1 to 6 seen daily at the Canal Zone/Panama City, more common in the Chiriqui Highlands. Not seen at Cana.

101. **White-tipped Dove** (*Leptotila verreauxi*)
   1 to 10 seen almost daily. Not seen on 8, 9 and 10-5, 2 to 20 seen at Pirre Cloud Forest Camp.

102. **Gray-chested Dove** (*Leptotila cassini*)
   1 seen at the Canopy Tower on 3-5 and 1 at the Metropolitan Nature Park, Panama City on 10-5.

103. **Russet-crowned Quail-Dove** (*Geotrygon goldmani*)
   A few heard and 1 seen very well at Pirre Cloud Forest on 3 dates.

104. **Blue-and-yellow Macaw** (*Ara ararauna*)
   2 to 20 seen at Cana Field Station and Pirre Cloud Forest Camp on 4 dates.
105. Great Green Macaw (Ara ambigua)
2 to 5 seen at Cana Field Station and Pirre Cloud Forest Camp on 5 dates.

106. Red-and-green Macaw (Ara chloropterus)
2 to 14 seen at Cana Field Station on 4 dates.

107. Chestnut-fronted Macaw (Ara severa)
12 seen at Cana Field Station on 5-5 and 2 there on 6-5.

108. Crimson-fronted Parakeet (Aratinga finschi)
7 seen en route to Boquete on 13-5.

109. Brown-throated Parakeet (Aratinga pertinax)
4 seen en route to Boquete on 13-5.

110. Sulphur-winged Parakeet (Pyrrhura hoffmanni)
10 seen at Finca Lerida on 14-5.

111. Barred Parakeet (Bolborynchus lineola)
15 seen at Finca Lerida on 13-5 and 10 there on 14-5.

112. Orange-chinned Parakeet (Brotogeris jugularis)
Common, seen almost daily.
113. **Brown-hooded Parrot** (*Pionopsitta haematotis*)
15 seen at the Pipeline Road on 1-5, 15 at the Escobal Road on 2-5, 4 at the Canopy Tower on 3-5, 1 at the Locomotion Trail, Cana Field Station on 4-5 and 4 at Pirre Cloud Forest Camp on 8-5.

114. **Blue-headed Parrot** (*Pionus menstruus*)
2 seen at the Canopy Tower and 4 at the Rio Mogue, en route from Puerto Quipa to Mogue on 3-5, 10 at Mogue on 4-5 and 50 there on 5-5, 2 to 50 seen at Cana Field Station/Pirre Cloud Forest Camp on 5 dates and 2 the Querevalo Road on 13-5.

![Blue-headed Parrot (Querevalo Road)](image)

115. **Red-lored Parrot** (*Amazona autumnalis*)
20 to 50 seen at the Canal Zone/Panama City and Mogue on 6 dates and 4 at the Querevalo Road on 13-5.

116. **Yellow-crowned Parrot** (*Amazona ochrocephala*)
8 seen at the Holiday Inn Hotel, Panama City on 10-5.

117. **Mealy Parrot** (*Amazona farinosa*)
20 seen at the Pipeline Road on 1-5, heard en route from Puerto Quipa to Mogue on 3-5 and 2 seen there on 5-5 and heard at Pirre Cloud Forest Camp on 8-5.

118. **Squirrel Cuckoo** (*Piaya cayana*)
1 seen at Gamboa and 4 at the Pipeline Road on 1-5, 2 at the Escobal Road and 1 at Lake Gatun on 2-5, 1 at the Gamboa Rainforest Resort on 3-5, 1 to 5 at Cana Field Station/Pirre Cloud Forest Camp on 5 dates, 1 at the Metropolitan Nature Park, Panama City on 10-5 and 2 at the Querevalo Road on 13-5.

119. **Greater Ani** (*Crotophaga major*)
2 to 5 seen at the Canal Zone/ Panama City and Mogue on 5 dates.

120. **Smooth-billed Ani** (*Crotophaga ani*)
4 seen at Gamboa on 1-5, 2 at on 3-5, 5 at Mogue on 4-5 & 5-5, 10 at Cana Field Station on 5-5, 15 there on 6-5, 10 there on 9-5 & 10-5, 10 at Costa del Este on 10-5 and 30 en route to Boquete on 13-5.
121. **Pheasant Cuckoo** (*Dromococcyx phasianellus*)
   Heard at the Pipeline Road on 1-5, at the Canopy Tower on 3-5 and at Mogue on 4-5.

122. **Rufous-vented Ground-Cuckoo** (*Neomorphus geoffroyi*)
   3 seen very well at the Canopy Tower on 3-5.
123. **Tropical Screech-Owl** (*Otus choliba*)
   1 heard at Mogue early in the morning on 5-5.

124. **Vermiculated Screech-Owl** (*Otus vermiculatus*)
   1 seen at Cana Field Station on 5-5.

125. **Spectacled Owl** (*Pulsatrix perspicillata*)
   Heard at Pirre Cloud Forest Camp early in the morning on 8-5 and 9-5.

126. **Gray Potoo** (*Nyctibius griseus*)
   1 heard at Mogue early in the morning on 5-5.

127. **Pauraque** (*Nyctidromus albicollis*)
   Heard at the Gamboa Rainforest Resort on 1-5, 1 seen at Gamboa on 2-5, heard at Mogue on 4-5 and 5-5, 2 seen at Cana Field Station on 5-5, heard there on 6-5 and 9-5.

128. **White-collared Swift** (*Streptoprocne zonaris*)
   1 seen at the Escobal Road on 2-5, 2 at Mogue on 4-5, 70 at Cana Field Station on 5-5 and 6-5, 21 at Pirre Cloud Forest Camp on 7-5, 4 there on 8-5, 20 at Cana Field Station on 10-5 and 20 at Los Quetzales on 12-5.
129. Band-rumped Swift (*Chaetura spinicauda*)
20 seen at the Gamboa Rainforest Resort on 1-5, 20 at the Rio Mogue, en route from Puerto Quipa to Mogue on 3-5, 10 en route from Mogue to La Palma on 5-5, 25 at Cana Field Station on 10-5 and 5 at Costa del Este on 11-5.

130. Gray-rumped Swift (*Chaetura cinereiventris*)
5 seen at the Achiote Road on 2-5, 15 at Mogue on 5-5, 32 at Hotel Bambito on 12-5 and 1 at Finca Lerida on 14-5.

131. Vaux’s Swift (*Chaetura vauxi*)
25 seen at Cana Field Station on 5-5.

132. Short-tailed Swift (*Chaetura brachyura*)
20 seen at Summit Ponds on 1-5 and 6 at the Achiote Road on 2-5.

133. Lesser Swallow-tailed Swift (*Panyptila cayennensis*)
2 seen at the Achiote Road on 2-5 and 2 at Cana Field Station on 10-5.

134. Green Hermit (*Phaethornis guy*)
1 seen at Cana Field Station on 5-5, 1 at the Boca de Cupe Trail, Cana Field Station on 6-5, 1 at Pirre Cloud Forest on 8-5 and 9-5, heard at the Volcano Lakes on 11-5 and 1 seen at the Querevalo Road on 13-5.

135. Long-billed Hermit (*Phaethornis longirostris*)
1 seen at the Achiote Road and 2 at the Discovery Center on 2-5 and 1 at the latter on 3-5 and 2 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

136. Pale-bellied Hermit (*Phaethornis anthophilus*)
1 seen at Mogue on 4-5.
137. **Stripe-throated Hermit** (*Phaethornis striigularis*)
   2 seen at Cana Field Station on 5-5, 2 seen at the Palitoni Trail at Cana Field station on 6-5 and 3 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

138. **Tooth-billed Hummingbird** (*Androdon aequatorialis*)
   1 seen at Pirre Cloud Forest on 8-5 and 9-5.

139. **Scaly-breasted Hummingbird** (*Phaeochroa cuvierii*)
   1 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5

140. **Violet Sabrewing** (*Campylopterus hemileucurus*)
   25 seen at Finca Cielito Sur on 13-5 and 1 at Finca Lerida on 14-5.

141. **White-necked Jacobin** (*Florisuga mellivora*)
   10 seen at the Discovery Center on 2-5 and 15 there on 3-5.
142. **Green Violet-ear** (*Colibri thalassinus*)  
1 seen at Los Quetzales on 12-5, 15 at Finca Cielito Sur on 13-5 and 10 at Finca Lerida on 14-5.

143. **Black-throated Mango** (*Anthracothorax nigricollis*)  
1 seen at the Gamboa Rainforest Resort on 1-5, 1 at Discovery Center on 2-5, 2 at Mogue on 4-5 and 1 at Cana Field Station on 5-5.

144. **Violet-crowned Woodnymph** (*Thalurania colombica*)  
1 seen at the Discovery Center on 2-5 and 3-5.

145. **Green-crowned Woodnymph** (*Thalurania fannyi*)  
1 seen at Cana Field Station on 6-5, 10 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 1 en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5.

146. **Violet-bellied Hummingbird** (*Damophila julie*)  
6 seen at the Pipeline Road and 4 at Plantation Loop on 1-5, 5 at the Achiote Road and 15 at the Discovery Center on 2-5 and 10 there on 3-5.
147. **Rufous-cheeked (Pirre) Hummingbird** *(Goethalsia bella)*
1 seen at Pirre Cloud Forest Camp on 7-5.

148. **Blue-chested Hummingbird** *(Amazilia amabilis)*
2 seen at the Discovery Center on 2-5, 8 at Cana Field station on 6-5 and 2 there on 7-5 and 10-5.

149. **Snowy-bellied Hummingbird** *(Amazilia edward)*
1 seen at the Discovery Center on 2-5, 3 at the Volcan Lakes on 11-5, 20 at Finca Cielito Sur and 10 at Finca Lerida on 13-5 and 20 at the latter on 14-5.
150. **Rufous-tailed Hummingbird** *(Amazilia tzacatl)*
1 seen at the Achioté Road and the Gamboa Rainforest Resort on 2-5, 1 at the Palitoni Trail, Cana Field Station on 6-5, 1 at the Holiday Inn Hotel, Panama City and Hotel dos Rios, Volcano on 11-5, 1 at the Querevalo Road and 4 at Finca Cielito Sur on 13-5 and 1 at Finca Lerida on 14-5.

![Rufous-tailed Hummingbird (Finca Cielito Sur)](image)

151. **White-tailed Emerald** *(Elvira chionura)*
3 seen at Los Quetzales on 12-5.

![White-tailed Emerald (Los Quetzales)](image)

152. **White-vented Plumeleteer** *(Chalybura buffonii)*
3 seen at the Discovery Center on 2-5 and 1 at the Metropolitan Nature Park, Panama City on 10-5.

153. **White-throated Mountain-gem** *(Lampornis castaneoventris) (E)*
5 seen at Los Quetzales on 12-5 and 6 at Finca Cielito Sur on 13-5.

![White-throated Mountain-gem (Finca Cielito Sur)](image)
154. **Green-crowned Brilliant** (*Heliodoxa jacula*)
1 seen at Finca Cielito Sur on 13-5.

![Green-crowned Brilliant (Finca Cielito Sur)](image)

155. **Magnificent Hummingbird** (*Eugenes fulgens*)
7 seen at Los Quetzales and 3 at La Amistad on 12-5 and 2 at Finca Cielito Sur on 13-5.

![Magnificent Hummingbird (Finca Cielito Sur)](image)

156. **Greenish Puffleg** (*Haplophaedia aureliae*)
3 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5, 20 at Pirre Cloud Forest on 8-5 and 7 at Pirre Cloud Forest and 3 en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5.

![Greenish Puffleg (Cerro Pirre)](image)
157. Purple-crowned Fairy (*Heliothryx barroti*)
1 seen at the Summit Ponds and the Plantation Loop on 1-5 and 1 at Pirre Cloud Forest Camp 7-5.

158. Volcano Hummingbird (*Selasphorus flammula*)
1 seen at Hotel dos Rios, Volcano on 11-5 and 5 at Los Quetzales on 12-5.

159. Scintillant Hummingbird (*Selasphorus scintilla*)
2 seen at Finca Lerida on 13-5 and 3 there at 14-5.
160. **Resplendent Quetzal** (*Pharomachrus mocinno*)
   1 female seen at Los Quetzales and 1 heard at La Amistad on 12-5 and 2 males at Finca Lerida on 13-5.

161. **Slaty-tailed Trogon** (*Trogon massena*)
   2 seen at the Pipeline Road on 1-5 and 2 at the Escobal Road on 2-5.

162. **Black-tailed Trogon** (*Trogon melanurus*)
   2 seen at the Pipeline Road on 1-5.

163. **White-tailed Trogon** (*Trogon viridis*)
   2 seen at the Pipeline Road on 1-5, 1 at Gatun Lake on 2-5, 1 at Cana Field Station on 5-5, 1 at the Palitoni Trail, Cana Field Station on 6-5 and 1 heard en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

164. **Collared Trogon** (*Trogon collaris*)
   1 seen at Pirre Cloud Forest on 9-5 and heard at Los Quetzales on 12-5.
165. **Black-throated Trogon** (*Trogon rufus*)
1 seen and 1 heard at the Pipeline Road on 1-5, 1 at the Escobal and Achiote Road on 2-5, heard at Mogue on 4-5 and at Cana Field Station on 7-5 and 9-5.

166. **Violaceous Trogon** (*Trogon violaceus*)
1 heard at the Pipeline Road on 1-5 and 2 seen at Canopy Tower on 3-5.

167. **Ringed Kingfisher** (*Ceryle torquata*)
2 seen at the Gamboa Rainforest Resort on 1-5, 4 en route from Lake Gatun to the Discovery Center on 2-5, 10 en route from Puerto Quipa to Mogue on 3-5, 1 at Mogue on 4-5, 2 Rio Mogue, en route from Mogue to La Palma on 5-5, 1 at the Volcano Lakes on 11-5 and 3 en route to Boquete on 13-5.

168. **Amazon Kingfisher** (*Chloroceryle amazona*)
2 seen at Rio Mogue, en route from Puerto Quipa to Mogue on 3-5, 1 at Mogue on 4-5 and 4 at the Rio Mogue, en route from Mogue to La Palma on 5-5.

169. **Green Kingfisher** (*Chloroceryle americana*)
2 seen at the Summit Ponds on 1-5, 6 seen at the Rio Mogue, en route from Mogue to La Palma on 5-5 and 1 at the Volcan Lakes on 11-5 and 1 en route to Boquete on 13-5.
170. **Green-and-rufous Kingfisher** (*Chloroceryle inda*)
   1 seen Rio Mogue, en route from Puerto Quipa to Mogue on 3-5.

171. **Tody Motmot** (*Hylomanes momotula*)
   2 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 3 en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5.

172. **Broad-billed Motmot** (*Electron platyrhynchum*)
   1 seen at the Pipeline Road on 1-5 and 2 at the Palitoni Trail, Cana Field Station on 6-5.
173. **Rufous Motmot** (*Baryphthengus martii*)
   2 seen at the Pipeline Road on 1-5, heard at the Escobar Road on 2-5, 1 seen at the Palitoni Trail, Cana Field Station on 6-5 and heard at Cana Field Station on 10-5.

174. **Blue-crowned Motmot** (*Momotus momota*)
   2 seen at Mogue on 4-5 and 3 at Hotel dos Rios, Volcano on 11-5.

175. **Dusky-backed Jacamar** (*Brachygalba salmoni*)
   4 seen at the Palitoni Trail, Cana Field Center and 1 at the airstrip, Cana Field Station on 6-5.

176. **Great Jacamar** (*Jacamerops aurea*)
   1 seen at the Palitoni Trail, Cana Field Station on 6-5.

177. **White-necked Puffbird** (*Notharchus macrorhynchos*)
   2 seen at the Canopy Tower on 3-5 and 1 at Cana Field Station on 10-5.

178. **Black-breasted Puffbird** (*Notharchus pectoralis*)
   1 heard at the Pipeline road on 1-5 and 1 seen at Cana Field Station on 7-5.

179. **Pied Puffbird** (*Notharchus tectus*)
   2 seen at Mogue on 4-5.
180. Barred Puffbird (*Nystalus radiatus*)
1 seen at Cana Field Station on 5-5 and 6-5.

181. White-whiskered Puffbird (*Malacoptila panamensis*)
3 seen at the Palitoni Trail, Cana Field Station on 6-5.

182. Gray-cheeked Nunlet (*Nonnula frontalis*)
2 seen at Mogue on 4-5 and 3 at the Boca de Cupe trail, Cana Field Station on 6-5.
183. **White-fronted Nunbird** (*Monasa morphoeus*)
    1 seen at the Palitoni trail, Cana Field Station on 6-5 and 1 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

184. **Spot-crowned Barbet** (*Capito maculicoronatus*)
    1 seen at the Palitoni Trail, Cana Field Station on 6-5, 2 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 5 at Cana Field Station on 10-5.

185. **Prong-billed Barbet** (*Semnornis frantzii*)
    1 seen at La Amistad on 12-5.

186. **Collared Aracari** (*Pteroglossus torquatus*)
    5 seen at the Pipeline Road on 1-5, 10 at the Escobal and Achiote Road on 2-5, 3 at the Canopy Tower on 3-5, 1 at Cana Field Station on 5-5 and 2 there on 6-5.

187. **Fiery-billed Aracari** (*Pteroglossus frantzii*)
    1 seen at the Volcan Lakes on 11-5 and 2 at Finca Cielito Sur on 13-5.

188. **Emerald Toucanet** (*Aulacorhynchus cognatus*)
    **Violet-throated Toucanet** (*A. cognatus*)
    1 seen en route from Cana Field Station to Pirre Cloud Forest Camp and at Pirre Cloud Forest Camp on 7-5, 2 at Pirre Cloud Forest on 8-5, 1 en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5.
    **Blue-throated Toucanet** (*A. caeruleogularis*)
    Heard at Los Quetzales on 12-5 an at Finca Cielito Sur on 13-5.

189. **Yellow-eared Toucanet** (*Selenidera spectabilis*)
    2 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 2 at Pirre Cloud Forest on 8-5.
190. **Keel-billed Toucan** (*Ramphastos sulfuratus*)
2 seen at the Pipeline Road on 1-5, 15 at the Canopy Tower on 3-5, 1 at Mogue on 4-5 and 2 there on 5-5, 1 at Cana Field Station on 6-5 and 1 there on 9-5.

191. **Chestnut-mandibled Toucan** (*Ramphastos ambiguus*)
10 seen at the Pipeline road on 1-5, 2 at the Escobal Road on 2-5, 2 at the Canopy Tower on 3-5, heard at Mogue on 4-5 and 1 seen at the Palitoni Trail, Cana Field Station on 6-5.
192. **Olivaceous Piculet** (*Picumnus olivaceus*)
1 seen at the Plantation Loop on 1-5, 1 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 3 at Cana Field Station on 10-5.

193. **Acorn Woodpecker** (*Melanerpes formicivorus*)
10 seen at Los Quetzales on 12-5 and 2 at Finca Lerida on 14-5.

194. **Black-cheeked Woodpecker** (*Melanerpes pucherani*)
1 seen at the Pipeline Road on 1-5, 1 at the Achiote Road on 2-5, 2 at the Rio Mogue, en route from Puerto Quipa to Mogue on 3-5, 2 at Mogue on 4-5 and 2 at the Boca Coupe trail on 6-5.

195. **Red-crowned Woodpecker** (*Melanerpes rubricapillus*)
5 seen at Gamboa Rainforest Resort on 1-5, 20 at the Achiote Road on 2-5, 2 at on 3-5, 1 at Mogue on 4-5, common at the Holiday Inn Hotel, Panama City on 10-5 and 11-5 and common at Hotel dos Rios, Volcano on 11-5 and en route to Boquete on 13-5.

196. **Hairy Woodpecker** (*Picoides villosus*)
2 seen at Finca Cielito Sur on 13-5 and 2 at Finca Lerida on 14-5.

197. **Red-rumped Woodpecker** (*Veniliornis kirkii*)
2 seen at Mogue on 4-5 and 1 there on 5-5.

198. **Stripe-cheeked Woodpecker** (*Piculus callopterus*) (E)
2 seen at Cana Field Station on 5-5 and 2 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

199. **Cinnamon Woodpecker** (*Celeus loricatus*)
Heard at the Pipeline road on 1-5, 2 seen at the Palitoni Trail, Cana Field Station on 6-5 and 2 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-7.

200. **Lineated Woodpecker** (*Dryocopus lineatus*)
6 seen at Summit Ponds on 1-5, heard at Achiote Road on 2-5 and at Mogue on 4-5, 1 seen at Mogue on 5-5, 2 at Cana Field Station on 5-5, 1 to 2 there on 6-5, 7-5, 9-5 and 10-5.
201. **Crimson-crested Woodpecker** (*Campephilus melanoleucos*)
   2 seen at the Pipeline Road on 1-5, 2 at the Achiote Road on 2-5, 2 at the Canopy Tower on 3-5, 1 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 2 at the Metropolitan Nature Park, Panama City on 10-5.

![Crimson-crested Woodpecker (Slope of Cerro Pirre)](image)

202. **Plain-brown Woodcreeper** (*Dendrocincla fuliginosa*)
   1 seen at the Pipeline Road and Plantation loop on 1-5, 1 at the Canopy Tower on 3-5, 1 at the Palitoni Trail, Cana Fields Station on 6-5, 2 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 1 at Cana Field Station on 9-5.

![Plain-brown Woodcreeper (Slope of Cerro Pirre)](image)

203. **Olivaceous Woodcreeper** (*Sittasomus griseicapillus*)
   1 seen at the Plantation Loop on 1-5 and 1 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

204. **Northern Barred Woodcreeper** (*Dendrocolaptes sanctithomae*)
   1 heard at Lake Gatun on 2-5, 1 seen at the Canopy Tower on 3-5, heard at the Boca de Cupe Trail, Cana Field station on 6-5, 5 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 1 at Cana Field Station on 9-5.
205. **Straight-billed Woodcreeper** (*Xiphorhynchus picus*)
    Heard at Costa del Este on 10-5.

206. **Cocoa Woodcreeper** (*Xiphorhynchus susurrans*)
    1 seen at the Plantation Loop on 1-5, 1 at the Achiote Road and at Gamboa Rainforest Resort on 2-5, heard at Mogue on 4-5, at Cana Field Station on 5-5 and 6-5 and 2 seen at there on 10-5.

207. **Black-striped Woodcreeper** (*Xiphorhynchus lachrymosus*)
    2 seen at the Pipeline Road on 1-5, heard at Cana Field Station and 3 seen there on 7-5.

208. **Spotted Woodcreeper** (*Xiphorhynchus erythropygius*)
    1 seen at Pirre Cloud Forest on 8-5.

209. **Spot-crowned Woodcreeper** (*Lepidocolaptes affinis*)
    Heard at the Volcan Lakes on 11-5, 2 seen at Los Quetzales and 1 at La Amistad on 12-5 and 1 at Finca Lerida on 14-5.

210. **Slaty Spinetail** (*Synallaxis brachyura*)
    2 seen at Cana Field Station on 5-5 and 1 there on 6-5.

211. **Red-faced Spinetail** (*Cranioleuca erythropterus*)
    2 seen at Los Quetzales on 12-5.

212. **Ruddy Treerunner** (*Magarornis rubiginosus*)
    3 seen at Los Quetzales and 2 at La Amistad on 12-5.

213. **Beautiful Treerunner** (*Magarornis bellulus*) (E)
    1 seen at Pirre Cloud Forest on 9-5.

214. **Lineated Foliage-gleaner** (*Syndactyla subalaris*)
    Heard en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5, 3 seen at Pirre Cloud Forest Camp on 8-5 and heard there on 9-5.

215. **Slaty-winged Foliage-gleaner** (*Philydor fuscipennis*)
    2 seen at the Palitoni Trail, Cana Field station on 6-5.

216. **Streak-breasted Treehunter** (*Thripadectes rufobrunneus*)
    1 seen at La Amistad on 12-5.

217. **Buff-throated Foliage-gleaner** (*Automolus ochrolaemus*)
    1 seen at Cana Field Station on 10-5 and 1 at Finca Lerida on 14-5.

218. **Plain Xenops** (*Xenops minutus*)
    2 seen at the Pipeline Road and 1 at the Plantation Loop on 1-5 and 1 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

219. **Fasciated Antshrike** (*Cymbilaimus lineatus*)
    1 seen at the Pipeline Road on 1-5, heard near the Canopy Tower on 3-5 and 1 en route from Cana Field Station to Pirre Cloud Forest Campa 7-5.
220. **Great Antshrike** (*Taraba major*)
Heard at Mogue on 4-5, 3 seen at Cana Field Station on 5-5, heard there on 6-5 and 2 seen on 7-5.

221. **Barred Antshrike** (*Thamnophilus doliatus*)
2 seen at the Gamboa Rainforest Resort on 1-5, 1 at the Achiote Road on 2-5, heard at Mogue on 4-5 and 1 seen at Costa del Este on 10-5.

222. **Western Slaty Antshrike** (*Thamnophilus atrinucha*)
10 seen at Pipeline Road and 5 at the Plantation Loop on 1-5, 1 heard at the Achiote Road on 2-5, near the Canopy Tower on 3-5, 1 seen at Mogue on 4-5, heard en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 1 seen at the Metropolitan Nature Park, Panama City on 10-5.

223. **Plain Antvireo** (*Dysithamnus mentalis*)
1 seen at Pirre Cloud Forest Camp on 8-5 and 1 there on 9-5.

224. **Spot-crowned Antvireo** (*Dysithamnus puncticeps*)
4 seen just below Pirre Cloud Forest Camp on 6-5.

225. **Pygmy Antwren** (*Myrmotherula brachyura*)
3 seen at the Pipeline Road on 1-5.

226. **Pacific Antwren** (*Myrmotherula pacifica*)
3 seen at Cana Field Station on 5-5 and 1 there on 6-5.

227. **Checker-throated Antwren** (*Myrmotherula fulviventris*)
2 seen at the Pipeline Road on 1-5 and 2 near the Canopy Tower on 2-5.

228. **White-flanked Antwren** (*Myrmotherula axillaris*)
6 seen at the Pipeline Road on 1-5, 2 at Mogue on 4-5, 4 at the Palitoni Trail, Cana Field Station on 6-5 and 1 there on 7-5.

229. **Slaty Antwren** (*Myrmotherula schisticolor*)
3 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5, 3 at Pirre Cloud Forest Camp on 8-5, 1 en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5 and 1 at the Volcan Lakes on 11-5.
230. **Rufous-winged Antwren** (*Herpsilochmus rufimarginatus*)
   2 seen at Cana Field Station on 10-5.

231. **Dot-winged Antwren** (*Microhops quixensis*)
   6 seen at the Pipeline Road and 2 at Plantation Loop on 1-5.

![Dot-winged Antwren (Pipeline Road)](image)

232. **Dusky Antbird** (*Cercomacra tyrannia*)
   2 seen at Mogue on 4-5 and 2 at Cana Field Station on 10-5.

233. **Jet Antbird** (*Cercomacra nigricans*)
   3 seen at Cana Field Station on 5-5, 1 there on 6-5 and 1 heard there on 7-5.

234. **White-bellied Antbird** (*Myrmeciza longipes*)
   3 heard at the Metropolitan Nature Park, Panama City on 10-5.

235. **Chestnut-backed Antbird** (*Myrmeciza exsul*)
   1 heard at the Pipeline Road on 1-5, 2 seen at the Achiote Road on 2-5, 1 seen and 1 heard at Mogue on 4-5 and heard at the Metropolitan Nature Park, Panama City on 10-5.

   **Chestnut-backed Antbird (M e cassini)**
   2 at the Palitoni Trail, Cana Field Station on 6-5.

![Chestnut-backed Antbird (Cana)](image)

236. **Immaculate Antbird** (*Myrmeciza immaculata*)
   Heard at the Boca de Cupe Trail, Cana Field Station on 6-5, 1 seen en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5 and 1 heard below Pirre Cloudforest Camp on 10-5.
237. Bicolored Antbird (*Gymnopithys leucaspis*)
Heard at the Pipeline Road on 1-5, 20 seen at the Canopy Tower on 3-5, 2 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 4 en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5.

![Bicolored Antbird (Slope of Cerro Pirre)](image)

238. Spotted Antbird (*Hylophylax naevioides*)
5 seen at the Pipeline Road on 1-5, 1 at the Achiote Road on 2-5, 1 heard at Mogue on 3-5 and 2 seen at Cana Field Station on 10-5.

![Spotted Antbird (Achiote Road)](image)

239. Ocellated Antbird (*Phaenostictus mcleannani*)
10 seen at the Canopy Tower on 3-5 and 2 en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5.

![Ocellated Antbird (Canopy Tower)](image)
240. **Black-faced Anthrush** (*Formicarius analis*)
   2 heard at the Achiote Road on 2-5, 1 seen at the Canopy Tower on 3-5,
   1 seen at Mogue on 4-5, heard at Cana Field Station on 5-5, at the Palitoni Trail, Cana Field station on 6-5 and en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

241. **Rufous-breasted Anthrush** (*Formicarius rufipectus*)
   1 seen and 2 heard at Pirre Cloud Forest Camp on 7-5, 1 there on 8-5 and heard there on 9-5.

242. **Streak-chested Antpitta** (*Hylopezus perspicillatus*)
   2 heard at the Pipeline Road on 1-5 and 1 at Cana Field Station on 10-5.

243. **Fulvous-bellied Antpitta** (*Hylopezus dives*)
   1 heard at the Locomotion Trail, Cana Field Station on 5-5 and 1 seen at the Palitoni Trail, Cana Field Station on 6-5.

244. **Choco Tapaculo** (*Scytalopus chocoensis*)
   1 heard at Pirre Cloud Forest Camp at 7-5.

245. **Silvery-fronted Tapaculo** (*Scytalopus argentifrons*)
   Heard at La Amistad on 12-5 and at Finca Lerida on 14-5.

246. **Speckled Mourner** (*Laniocera rufescens*)
   Heard at Mogue on 4-5.

247. **Rufous Piha** (*Lipaugus unirufus*)
   10 seen and heard en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and heard en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5.

248. **Blue Cotinga** (*Cotinga nattereri*)
   1 female seen from the Canopy Tower on 3-5.

249. **Black-tipped Cotinga** (*Carpodectes hopkei*)
   1 seen at Cana Field Station on 6-5, 9-5 and 10-5.

250. **Purple-throated Fruitcrow** (*Querula purpurata*)
   15 seen at the Pipeline Road on 1-5, 2 at Discovery Center on 2-5, 6 at the Canopy Tower on 3-5, 2 at Mogue at 4-5, 4 at Cana Field station on 5-5 and 2 at the Metropolitan Nature Park, Panama City on 10-5.

251. **Three-wattled Bellbird** (*Procnias tricarunculata*)
   1 male and female seen at Finca Lerida on 14-5.

252. **Sharpbill** (*Oxyruncus cristatus*)
   5 seen and heard en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and heard en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5.

253. **Red-capped Manakin** (*Pipra mentalis*)
   10 seen and heard at the Pipeline Road and 5 at the Plantation Loop on 1-5.
254. **Golden-headed Manakin** (*Pipra erythrocephala*)
   12 seen and heard at the Palitoni trail, Cana Field Station on 6-5, 2 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 4 en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5.

255. **Blue-crowned Manakin** (*Pipra coronata*)
   1 heard at the Plantation Loop on 1-5 and 2 seen at the Palitoni Trail, Cana Field Station on 6-5.

256. **Lance-tailed Manakin** (*Chiroxiphia lanceolata*)
   2 heard at the Summit Ponds on 1-5.

257. **White-ruffed Manakin** (*Corapipo altera*)
   3 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

258. **Golden-collared Manakin** (*Manacus vitellinus*)
   3 seen at the Achiote Road on 2-5, 15 at Mogue on 4-5, 10 at Cana Field Station on 5-5 and heard there at 6-5.

259. **Broad-billed Manakin** (*Sapayoa*)
   3 seen at the Palitoni Trail, Cana Field Station on 6-5.

260. **Olive-striped Flycatcher** (*Mionectes olivaceus*)
   1 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 2 at the Querevalo Road on 13-5.

261. **Bronze-olive Pygmy-Tyrant** (*Pseudotriccus pelzelni*)
   10 seen at Pirre Cloud Forest on 8-5.
262. **Common Tody-Flycatcher** (*Todirostrum cinereum*)
5 seen at the Gamboa Rainforest Resort on 1-5, 2 at the Escobal Road and 2 at the Achiote Road on 2-5, 3 at Cana Field Station on 5-5, 1 there on 6-5 and 7-5 and 2 on 10-5 and 5 at Hotel dos Rios, Volcano on 11-5.

263. **Black-headed Tody-Flycatcher** (*Todirostrum nigriceps*)
10 heard at the Achiote Road on 2-5 and 1 seen very well and 2 heard at Mogue on 4-5.

![Black-headed Tody-Tyrant (Mogue)](image)

264. **Sooty-headed Tyrannulet** (*Phyllomyias griseiceps*)
1 seen at Cana Field Station on 10-5.

265. **Paltry Tyrannulet** (*Zimmerius vilissimus*)
1 seen at Cana Field Station on 9-5, heard at the Volcano Lakes on 11-5, 1 seen at Los Quetzales on 12-5 and heard at Finca Lerida on 14-5.

266. **Brown-capped Tyrannulet** (*Ornithion bruneicapillum*)
2 seen at the Pipeline Road on 1-5.

267. **Southern Beardless-Tyrannulet** (*Camptostoma obsoletum*)
1 seen at Mogue on 4-5.

268. **Yellow-crowned Tyrannulet** (*Tyrannulus elatus*)
1 seen at Mogue on 4-5.

269. **Forest Elaenia** (*Myiopagis gaimardii*)
1 seen at the Achiote Road on 2-5.

270. **Yellow-bellied Elaenia** (*Elaenia flavogaster*)
2 seen at the Gamboa Rainforest Resort on 1-5, 2 at the Achiote Road on 2-5, 1 at Mogue on 4-5, 1 at Cana Field station on 5-5, 1 there on 6-5, 9-5 and 10-5.
271. **Lesser Elaenia** (*Elaenia chiriquensis*)
3 seen (pair with juvenile at nest) at Cana Field Station on 5-5, 6-5, 7-5 (2), 9-5 (3) and 10-5 (2) and 1 at Hotel Bambito on 12-5.

272. **Mountain Elaenia** (*Elaenia frantzii*)
15 seen at Los Quetzales on 12-5, 2 at Finca Lerida on 13-5 and 1 at Finca Lerida on 14-5.

273. **Torrent Tyrannulet** (*Serpophaga cinerea*)
6 seen at the Querevalo Road on 13-5.
274. **Scale-crested Pygmy-Tyrant** (*Lophotriccus pileatus*)
   Heard en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and at the Volcano Lakes on 11-5.

275. **Southern Bentbill** (*Oncostoma olivaceum*)
   10 seen and heard at the Pipeline Road and 5 at the Plantation Loop on 1-5, 5 at the Achiote Road on 2-5, 1 at the Canopy Tower on 3-5, heard at Cana Field station on 6-5 and 9-5 and at the Metropolitan Nature Park, Panama City on 10-5.

276. **Brownish Flycatcher (Twistwing)** (*Cnipodectes subbrunneus*)
   1 heard at Pipeline Road on 1-5, 2 seen at the Palitoni Trail, Cana Field Station on 6-5 and heard at Cana Field Station on 10-5.

277. **Eye-ring Flatbill** (*Rhynchocyclus brevirostris*)
   1 seen at Mogue on 4-5.

278. **Yellow-margined Flycatcher** (*Tolmomyias assimilis*)
   2 seen at the Summit Ponds on 1-5.

279. **Golden-crowned Spadebill** (*Platyrinchus coronatus*)
   2 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

280. **Royal Flycatcher** (*Onychorhynchus mexicanus*)
   1 seen at the Palitoni Trail, Cana Field Station on 6-5.

281. **Ruddy-tailed Flycatcher** (*Myiophobus erythrurus*)
   1 seen at the Palitoni Trail, Cana Field Station on 6-5.

282. **Black-tailed Flycatcher** (*Myiobius atricauus*)
   5 seen at the Palitoni Trail, Cana Field Station on 6-5.

283. **Tufted Flycatcher** (*Mitrephanes phaeocercus*)
   2 seen at Los Quetzales on 12-5 and 1 at Finca Lerida on 14-5.

284. **Dark Pewee** (*Contopus lugubris*)
   1 seen at La Amistad on 12-5 and 1 at the Querevalo Road on 13-5.
285. **Western Wood-Pewee** (*Contopus sordidulus*)
   1 seen at Cana Field Station on 5-5, 2 at Pirre Cloud Forest Camp on 7-5, 
   2 at Pirre Cloud Forest and 1 at Pirre Cloud Forest Camp on 8-5 and 2 at 
   Cana Field Station on 10-5.

286. **Eastern Wood-Pewee** (*Contopus virens*)
   2 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5, 
   heard at the Metropolitan Nature Park, Panama City on 10-5, 1 at the 
   Volcano Lakes on 11-5 and 1 at Finca Lerida on 14-5.

287. **Tropical Pewee** (*Contopus cinereus*)
   1 seen at the Canopy Tower on 3-5.

288. **Black Phoebe** (*Sayornis nigricans*)
   3 seen at Hotel dos Rios, Volcano on 11-5, 5 at Hotel Bambito on 12-5, 8 the 
   Querevalo Road at on 13-5 and 2 at Finca Lerida on 14-5.

289. **Long-tailed Tyrant** (*Colonia colonus*)
   3 seen at Mogue on 4-5, 1 at the Locomotion Trail, Cana Field station on 5-5 
   and 2 at the Boca de Coup trail, Cana Field Station on 6-5.

290. **Bright-rumped Attila** (*Attila spadiceus*)
   1 heard at the Escobal Road on 2-5 and at the Volcan Lakes on 11-5.

291. **Rufous Mourner** (*Rhytipterna holerythra*)
   1 heard at Pipeline Road on 1-5, 1 at the Achiote Road on 2-5 and 2 seen en 
   route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

292. **Dusky-capped Flycatcher** (*Myiarchus tuberculifer*)
   1 seen at Pipeline Road on 1-5, 1 at Lake Gatun on 2-5, 1 at the Canopy 
   Tower on 3-5, 1 at Cana Field Station on 5-5 and 1 at Costa del Este 
   on 10-5.

293. **Panama Flycatcher** (*Myiarchus panamensis*)
   1 seen at Gamboa on 1-5.

294. **Tropical Kingbird** (*Tyrannus melancholicus*)
   Common, but not at Cana Field Station, only 1 seen there on 7-5 and 9-5.

295. **Fork-tailed Flycatcher** (*Tyrannus savana*)
   2 seen at the Gamboa Rainforest Resort on 1-5, 5 at the Metropolitan 
   Nature Park, Panama City on 10-5 and common on 13-5.
296. **Eastern Kingbird** (*Tyrannus tyrannus*)
    1 seen at the Gamboa Rainforest Resort on 1-5, 8 at the Rio Mogue, en route from Puerto Quipa to Mogue on 3-5, 1 at Mogue on 4-5 and 50 there on 5-5.

297. **Boat-billed Flycatcher** (*Megarynchus pitangua*)
    1 at the Metropolitan Nature Park, Panama City on 10-5 and 2 en route to Boquete on 13-5.

298. **White-ringed Flycatcher** (*Conopias albovittata*)
    2 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

299. **Streaked Flycatcher** (*Myiodynastes maculatus*)
    2 seen at the Gamboa Rainforest Resort on 1-5, 10 at the Achiote Road on 2-5, 1 at the Rio Mogue, en route from Puerto Quipa to Mogue on 3-5, 2 at Mogue on 4-5, 4 at Cana Field Station on 5-5 and 2 there on 6-5 and 1 at Hotel Bambito on 12-5.

300. **Sulphur-bellied Flycatcher** (*Myiodynastes luteiventris*)
    1 seen at Costa del Este on 10-5.

301. **Rusty-margined Flycatcher** (*Myiozetetes cayanensis*)
    2 seen at Gamboa on 1-5, 10 at Mogue on 4-5, 5 at Cana Field Station on 5-5, 1 there on 6-5 and 7-5.

302. **Social Flycatcher** (*Myiozetetes similis*)
    20 seen at Gamboa on 1-5, 4 seen at the Escobal Road and 6 at the Achiote Road on 2-5, 10 at the Metropolitan Nature Park, Panama City on 10-5, 2 at Hotel dos Rios, Volcano on 11-5, 12 at the Querevalo Road on 13-5 and 5 at Finca Lerida on 14-5.

303. **Gray-capped Flycatcher** (*Myiozetetes granadensis*)
    15 seen at Cana Field Station on 5-5, 6-5 (15), 7-5 (5) 9-5 (1) and 10-5 (5), 1 at Hotel dos Rios, Volcano on 11-5 and 5 at the Querevalo Road on 13-5.
304. **Piratic Flycatcher** (*Legatus leucophaeus*)
   1 seen at the Summit Ponds on 1-5, 2 at on 2-5, 1 at Cana Field Station on 7-5, 9-5 and 10-5, 3 at Hotel dos Rios, Volcano on 11-5, 3 at Hotel Bambino on 12-5 and 1 at the Querevalo Road on 13-5.

305. **Lesser Kiskadee** (*Philohydor lictor*)
   1 seen at the Gamboa Rainforest Resort on 1-5 and 4 at the Achiote Road on 2-5.

306. **Great Kiskadee** (*Pitangus sulphuratus*)
   4 seen at the Gamboa Rainforest Resort and 6 at the Summit Ponds on 1-5, 20 at the Escobal Road on 2-5, 5 en route from Panama City to Puerto Quipa on 3-5, heard at Cana Field Station on 5-5, at Costa del Este on 10-5, 1 seen at the Holiday Inn, Panama City on 11-5, 2 at Hotel Bambito on 12-5 and 1 at the Querevalo Road and 4 en route to Boquete on 13-5.

307. **Thrush-like Schiffornis** (*Schiffornis turdinus*)
   1 heard at the Pipeline Road on 1-5, at Mogue on 4-5, 1 seen at Pirre Cloud Forest on 9-5 and heard at the Metropolitan Nature Park, Panama City on 10-5.

308. **Cinnamon Becard** (*Pachyramphus cinnamomeus*)
   4 seen at Mogue on 4-5, 6 at Cana Field Station on 5-5 and 3 there on 6-5.

309. **White-winged Becard** (*Pachyramphus polychropterus*)
   2 seen at the Summit Ponds 1-5 and 1 at the Metropolitan Nature Park, Panama City on 10-5.
310. Cinereous Becard (*Pachyramphus rufus*)
2 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

311. Masked Tityra (*Tityra semifasciata*)
20 seen at the Summit Ponds on 1-5, 6 at Mogue on 4-5, 1 at Cana Field Station on 5-5 and 6-5 and 2 at the Querevalo Road 13-5.

312. Black-crowned Tityra (*Tityra inquisitor*)
2 seen at Gamboa on 1-5 and 1 at Mogue on 4-5.

313. Black-chested Jay (*Cyanocorax affinis*)
3 seen at the Achiote Road on 2-5, 2 at the Canopy Tower on 3-5, heard at Mogue on 4-5, 3 seen at the Locomotion Trail, Cana Field Station on 5-5 and heard at the Volcano Lakes on 11-5.

314. Rufous-browed Peppershrike (*Clytarhis gujanensis*)
3 seen at La Amistad and heard at Finca Lerida on 14-5.

315. Green Shrike-Vireo (*Vireolanius pulchellus*)
1 seen at the Pipeline Road and at Plantation Loop on 1-5 and 1 at the Canopy Tower on 3-5.

316. Yellow-browed Shrike Vireo (*Vireolanius eximius*)
Heard at the Palitoni Trail, Cana Field Station on 6-5 and en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

317. Yellow-winged Vireo (*Vireo carmioli*)
3 seen at La Amistad on 12-5.

318. Philadelphia Vireo (*Vireo philadelphicus*)
1 seen at Mogue on 4-5 and 1 at Cana Field Station on 10-5.

319. Red-eyed Vireo (*Vireo olivaceus*)
20 (1 group) seen at the Escobal Road on 2-5.

320. Yellow-green Vireo (*Vireo flavoviridis*)
3 seen at Hotel dos Rios, Volcano on 11-5 and 1 there on 13-5.

321. Brown-capped Vireo (*Vireo leucophrys*)
5 seen at Los Quetzales 12-5.

322. Tawny-crowned Greenlet (*Hylophilus ochraceiceps*)
1 seen at Mogue on 4-5.

323. Lesser Greenlet (*Hylophilus decurtatus*)
1 seen at the Summit Ponds and 1 at the Plantation Loop on 1-5, heard at Cana Field Station on 7-5 and 3 seen at the Querevalo Road on 13-5.

324. Long-tailed Silky-flycatcher (*Ptilogonys caudatus*)
20 seen at Los Quetzales on 12-5.
325. **Black-faced Solitaire** (*Myadestes melanops*)
7 seen and heard at Los Quetzales and 3 at La Amistad on 12-5 and heard at Finca Lerida on 14-5.

326. **Varied Solitaire** (*Myadestes coloratus*) *(E)*
Heard at Pirre Cloud Forest Camp on 7-5, 6 seen and heard at Pirre Cloud Forest and Pirre Cloud Forest Camp on 8-5 and 9-5.

327. **Black-billed Nightingale-Thrush** (*Catharus gracilirostris*)
5 seen and heard at Los Quetzales on 12-5.

328. **Orange-billed Nightingale-Thrush** (*Catharus aurantiirostris*)
Heard at Hotel dos Rios, Volcano on 11-5 and at Finca Lerida on 13-5 and 14-5.

329. **Slaty-backed Nightingale-Thrush** (*Catharus fuscater*)
1 seen at Pirre Cloud Forest Camp on 7-5, 2 there on 8-5 and 8 on 9-5.

330. **Ruddy-capped Nightingale-Thrush** (*Catharus frantzii*)
20 seen and heard at Los Quetzales on 12-5 and 1 at Finca Lerida on 14-5.

331. **Mountain Robin** (*Turdus plebejus*)
15 seen at Los Quetzales and 5 at La Amistad on 12-5.

332. **Clay-colored Robin** (*Turdus grayi*)
Common at the Canal Zone/Panama City and the Chiriqui Highlands.

333. **White-throated Thrush** (*Turdus assimilis*)
2 seen at Hotel dos Rios, Volcano on 11-5 and 2 at Finca Lerida on 13-5 and 1 there on 14-5.
334. Tropical Mockingbird (*Mimus gilvus*) (I)
   2 seen at the Gamboa Rainforest Resort on 1-5, 2 at the Escobal Road on 2-5, 1 at the Gamboa Rainforest Resort on 3-5, 4 at the Holiday Inn Hotel, Panama City on 10-5 and 4 there on 11-5.

335. White-headed Wren (*Campylorhynchus albobrunneus*)
   5 seen at Cana Field Station on 5-5, 1 at the Palitoni Trail, Cana Field Station on 6-5, 1 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 4 en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5.

336. Black-bellied Wren (*Thryothorus fasciatoventris*)
   4 heard at the Pipeline Road on 1-5, 1 seen and heard at the Palitoni Trail, Cana Field Station on 6-5.

337. Rufous-breasted Wren (*Thryothorus rutilus*)
   1 seen at the Pipeline Road on 1-5.

338. Riverside Wren (*Thryothorus semibadius*)
   3 seen at the Querevalo Road on 13-5.

339. Bay Wren (*Thryothorus nigricapillus*)
   2 seen at the Pipeline Road on 1-5, 2 at Lake Gatun on 2-5 and heard at Mogue on 4-5
   **Bay Wren** (*T n scottii*)
   2 seen at the Palitoni Trail, Cana Field Station on 6-5 and heard at Cana Field Station on 10-5.

340. Rufous-and-white Wren (*Thryothorus rufalbus*)
   1 seen at the Metropolitan Nature Park, Panama City on 10-5.

341. Plain Wren (*Thryothorus modestus*)
   2 seen at the Volcan Lakes on 11-5 and 3 at the Querevalo Road on 13-5.

342. Buff-breasted Wren (*Thryothorus leucotis*)
   2 heard at the Summit Ponds and 1 at the Gamboa Rainforest Resort on 1-5, 3 at the latter on 2-5, 2 at Mogue on 4-5, heard at Cana Field Station on 5-5 and 4 seen at the Metropolitan Nature Park on 10-5.

343. House Wren (*Troglodytes aedon*)
   Common, not seen at Cana Field Station.

---

*House Wren (Finca Cielito Sur)*
344. **Ochraceous Wren** (*Troglodytes ochraceus*)
   1 seen at the Volcan Lakes on 11-5 and 1 at Los Quetzales on 12-5.

345. **White-breasted Wood-Wren** (*Henicorhina leucosticta*)
   1 seen at the Pipeline Road on 1-5, 1 seen and 1 heard at the Palitoni Trail,
   Cana Field Station on 6-5, heard en route from Cana Field Station to Pirre
   Cloud Forest Camp on 7-5 and en route from Pirre Cloud Forest Camp to
   Cana Field Station on 9-5.

346. **Gray-breasted Wood-Wren** (*Henicorhina leucophrys*)
   6 seen and heard at Pirre Cloud Forest on 8-5, heard there on 9-5 and
   5 seen and heard at Los Quetzales on 12-5.

347. **Southern Nightingale-Wren** (*Microcerculus marginatus*)
   Heard at the Achiote Road on 2-5 and at Finca Lerida on 14-5.

348. **Song Wren** (*Cyphorhinus phaeocephalus*)
   2 seen at the Escobal Road on 2-5 and heard en route from Cana Field
   Station to Pirre Cloud Forest Camp and at Pirre Cloud Forest Camp on 7-5.

349. **Long-billed Gnatwren** (*Ramphocaenus melanurus*)
   2 seen at the Pipeline Road on 1-5 and heard at Mogue on 4-5.

350. **Tropical Gnatcatcher** (*Polioptila plumbea*)
   2 seen at Pipeline Road and Plantation Loop on 1-5, 1 at the Escobal Road
   on 2-5 and 4 at Mogue on 4-5.

351. **Mangrove Swallow** (*Tachycineta albilinea*)
   5 seen at the Gamboa Rainforest Resort on 1-5 and 10 there on 2-5, 5 at
   the Rio Mogue, en route from Puerto Quipa to Mogue on 3-5, 15 at Mogue
   on 4-5 and 10 at the Rio Mogue, en route from Mogue to La Palma on 5-5.
352. **Gray-breasted Martin** (*Progne chalybea*)
Common at the Canal Zone/Panama City and Chiriqui Highlands. Not seen at Mogue and at Cana Field Station.

353. **Blue-and-white Swallow** (*Notiochelidon cyanoleuca*)
5 seen at the Volcan Lakes on 11-5, 10 at Los Quetzales and 10 at La Amistad on 12-5, 5 at the Querevalo Road on 13-5 and 5 at Finca Lerida on 14-5.

354. **Southern Rough-winged Swallow** (*Stelgidopteryx ruficollis*)
Common, but not seen in the Chiriqui Highlands.

355. **Barn Swallow** (*Hirundo rustica*)
20 seen en route to Boquete on 13-5.

356. **House Sparrow** (*Passer domesticus*) (I)
1 seen en route from David to Volcano and 50 en route to Boquete on 13-5.

357. **Yellow-bellied Siskin** (*Carduelis xanthogastra*)
2 seen at La Amistad on 12-5, 6 at Finca Lerida on 13-5 and 2 there on 14-5.

358. **Lesser Goldfinch** (*Carduelis psaltria*)
2 at Costa del Este on 10-5 and 2 at the Querevalo Road on 13-5.

359. **Tropical Parula** (*Parula pitiayumi*)
1 seen at Pirre Cloud Forest Camp on 8-5, 1 at Hotel Bambito 12-5, 2 at the Querevalo Road 13-5 and 1 at Finca Lerida on 14-5.

360. **Flame-throated Warbler** (*Parula gutturalis*)
10 seen at Los Quetzales and 5 at La Amistad on 12-5.

361. **Yellow Warbler** (*Dendroica petechia*)
2 seen at Gamboa on 1-5, 1 at Mogue on 4-5, 2 at the Rio Mogue, en route from Mogue to La Palma on 5-5 and 3 at Costa del Este on 10-5.

**Mangrove Yellow Warbler** (*D p aequatorialis*)
4 en route from Puerto Quipa to Mogue on 3-5 and 3 at Costa del Este 10-5.
362. **Northern Waterthrush** (*Seiurus noveboracensis*)
1 seen at the Rio Mogue, en route from Mogue to La Palma on 5-5.

363. **Louisiana Waterthrush** (*Seiurus motacilla*)
1 seen at the Gamboa Rainforest Resort on 1-5.

364. **Slate-throated Redstart** (*Myioborus miniatus*)
7 seen at Pirre Cloud Forest on 8-5 and 5 there on 9-5, 1 at the Volcan Lakes on 11-5, 2 at Los Quetzales on 12-5 and 4 at Finca Lerida on 14-5.

365. **Collared Redstart** (*Myioborus torquatus*)
20 seen at Los Quetzales on 12-5.

366. **Golden-crowned Warbler** (*Basileuterus culicivorus*)
1 seen at the Volcan Lakes on 11-5.

367. **Rufous-capped Warbler** (*Basileuterus rufifrons*)
2 seen at the Volcan Lakes on 11-5.

368. **Black-cheeked Warbler** (*Basileuterus melanogenys*)
12 seen and heard at Los Quetzales and 8 at La Amistad on 12-5.

369. **Pirre Warbler** (*Basileuterus ignotus*)
2 seen at Pirre Cloud Forest on 8-5 and 1 there on 9-5.
370. **Buff-rumped Warbler** (*Basileuterus fulvicauda*)
2 seen at the Palitoni trail, Cana Field Station on 6-5 and 1 at Cana Field Station on 10-5.

371. **Rufous-collared Sparrow** (*Zonotrichia capensis*)
Common in the Chiriqui Highlands.

372. **Orange-billed Sparrow** (*Arremon aurantiirostris*)
4 seen at the Boca de Cupé trail, Cana Field station on 6-5, 2 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 10 at Cana Field Station on 10-5.

373. **Black-striped Sparrow** (*Arremonops conirostris*)
1 seen at Gamboa on 1-5, 2 at Cana Field Station on 7-5, 1 at the airstrip at Volcano 11-5 and 3 the Querevaló Road at 13-5.

374. **White-naped Brush-Finch** (*Atlapetes albinucha*)
4 seen at the Volcan Lakes on 11-5.
**Yellow-throated Brush-Finch** (*A g brunnescens*)
4 seen at Finca Lerida on 14-5.

375. **Chestnut-capped Brush-Finch** (*Atlapetes brunnineinucha*)
10 seen at Pirre Cloud Forest Camp on 7-5, 10 at Pirre Cloud Forest Camp and Pirre Cloud Forest on 8-5, 2 at the latter on 9-5, 1 at Hotel dos Rios, Volcano on 11-5 and 3 Finca Lerida on 14-5.
376. Yellow-thighed Finch (*Pselliophorus tibialis*)
   6 seen at Los Quetzales and 4 at La Amistad on 12-5.

377. Bananaquit (*Coereba flaveola*)
   2 seen at the Achiote Road on 2-5, 1 at Cana Field Station on 5-5, on 6-5, 7-5 and on 9-5 and 4 at the Querevalo Road on 13-5.

378. White-eared Conebill (*Conirostrum leucogenys*)
   1 seen at the Boca de Cupe trail, Cana Field station on 6-5.

379. Pirre Bush-Tanager (*Chlorospingus inornatus*) (E)
   30 seen at Pirre Cloud Forest on 8-5 and 20 there on 9-5.

380. Sooty-capped Bush-Tanager (*Chlorospingus pileatus*)
   30 seen at Los Quetzales and 20 at La Amistad on 12-5.
381. Yellow-backed Tanager *(Hemithraupis flavicollis)*
   1 seen at Cana Field Station on 6-5.

382. Black-and-yellow Tanager *(Chrysothlypis chrysomelas)*
   1 seen at Pirre Cloud Forest Camp on 8-5.

383. Rosy Thrush-Tanager *(Rhodinocichla rosea)*
   Heard at Finca Lerida on 13-5 and 14-5.

384. Dusky-faced Tanager *(Mitrospingus cassinii)*
   6 seen at the Palitoni Trail, Cana Field Station on 6-5.

385. Spectacled Tanager *(Chlorothraupis olivacea)*
   6 seen at the Palitoni trail, Cana Field Station on 6-5 and 1 at Cana Field Station on 10-5.

386. Gray-headed Tanager *(Eucometis penicillata)*
   10 seen at the Pipeline Road 1-5, 1 at Lake Gatun on 2-5 and 2 at the Canopy Tower on 3-5.

387. White-shouldered Tanager *(Tachyphonus luctuosus)*
   15 seen at the Pipeline Road and 5 at the Plantation Loop on 1-5, 2 at the Escobal Road on 2-5, 5 at the Canopy Tower on 3-5, 1 at Mogue on 4-5, 6 at Cana Field Station on 6-5 and 2 at the Metropolitan Nature Park, Panama City on 10-5.

388. Tawny-crested Tanager *(Tachyphonus delatrii)*
   1 seen at the Boca de Cupe Trail, Cana Field Station on 6-5 and 1 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

389. White-lined Tanager *(Tachyphonus rufus)*
   1 seen at Finca Lerida on 13-5 and 14-5.

390. Red-throated Ant-Tanager *(Habia fuscicauda)*
   1 seen at Gamboa on 1-5, 6 at the Escobal Road on 2-5 and 3 at the Metropolitan Nature Park, Panama City on 10-5.

391. Flame-colored Tanager *(Piranga bidentata)*
   15 seen at Los Quetzales and 5 at Hotel Bambito on 12-5, 5 at Hotel dos Rios, Volcano on 13-5 and 4 at Finca Lerida on 14-5.
392. Cherrie’s Tanager (*Ramphocelus costaricensis*)
Common at Volcano on 11-5 and 4 at Hotel dos Rios, Volcano and 6 at the Querevalo Road on 13-5.

393. White-winged Tanager (*Piranga leucoptera*)
1 seen at Finca Lerida on 13-5 and 14-5.

394. Crimson-backed Tanager (*Ramphocelus dimidiatus*)
Common at the Canal Zone/Panama City, Mogue and Cana Field Station. Not seen in the Chiriqui Highlands.

395. Flame-rumped Tanager (*Ramphocelus flammigerus*)
1 seen at the Gamboa Rainforest Resort on 2-5 and 2 there on 3-5, 2 at Mogue on 4-5, 20 at Cana Field Station on 5-5, 20 there on 6-5, 5 on 7-5, 9-5 and 10-5.

396. Blue-gray Tanager (*Thraupis episcopus*)
Common, seen almost daily at all places visited. Not seen at Cerro Pirre.

397. Palm Tanager (*Thraupis palmarum*)
Common, seen almost daily at all places visited. Not seen at Cerro Pirre and Finca Lerida.

398. Yellow-crowned Euphonia (*Euphonia luteicapilla*)
2 seen at Gamboa on 1-5.
399. **Thick-billed Euphonia** (*Euphonia laniirostris*)
   2 seen at Gamboa on 1-5, 2 at the Escobal Road, 6 at the Achiote Road and 2 at the Discovery Center on 2-5, 4 at the Canopy Tower on 3-5, 6 at Mogue on 4-5, 3 at Costa del Este on 10-5, 2 at the Holiday Inn Hotel, Panama City on 11-5 and 1 at Finca Lerida on 13-5.

400. **Blue-hooded Euphonia** (*Euphonia elegantissima*)
   2 seen at Finca Lerida on 14-5.

401. **White-vented Euphonia** (*Euphonia minuta*)
   2 seen at the Escobal Road on 2-5.

402. **Orange-bellied Euphonia** (*Euphonia xanthogaster*)
   6 seen at Pirre Cloud Forest on 8-5 and 2 there on 9-5.

403. **Yellow-collared Chlorophonia** (*Chlorophonia flavirostris*)
   Heard en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 2 seen at Pirre Cloud Forest Camp on 8-5.

404. **Golden-browed Chlorophonia** (*Chlorophonia callophrys*)
   1 seen at Los Quetzales on 12-5 and 3 at Finca Lerida on 14-5.

405. **Plain-colored Tanager** (*Tangara inornata*)
   2 to 4 seen daily at the Canal Zone/Panama City, Mogue and Cana Field Station. Not seen at Cerro Pirre and in the Chiriqui Highlands.

406. **Silver-throated Tanager** (*Tangara icterocephala*)
   4 seen at Pirre Cloud Forest Camp on 7-5, 5 at Pirre Cloud Forest Camp and Pirre Cloud Forest on 8-5 and 3 there on 9-5, 2 at Hotel dos Rios, Volcano on 11-5, 5 at La Amistad on 12-5, 10 at the Querevalo Road on 13-5 and 2 at Finca Lerida on 14-5.

407. **Speckled Tanager** (*Tangara guttata*)
   4 seen en route from Cana Field Station to Pirre Cloud Forest Camp and 2 at Pirre Cloud Forest Camp on 7-5, 2 at Pirre Cloud Forest on 8-5 and 1 there on 9-5.
408. **Bay-headed Tanager** (*Tangara gyrola*)
    1 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5, 4 at on 8-5, 2 at the Volcan Lakes 11-5 and 2 at the Querevalo Road on 13-5.

409. **Golden-hooded Tanager** (*Tangara larvata*)
    6 seen at the Pipeline Road on 1-5, 2 at the Gamboa Rainforest Resort on 2-5, 10 at Mogue on 4-5, 2 at Cana Field Station on 5-5, 10 there on 6-5, 2 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5, 6 at Hotel dos Rios, Volcano on 11-5 and 2 at the Querevalo Road on 13-5.

410. **Green-naped Tanager** (*Tangara fucosa*) (E)
    10 seen at Pirre Cloud Forest on 8-5 and 6 there on 9-5.

411. **Scarlet-thighed Dacnis** (*Dacnis venusta*)
    1 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5, 5 at Pirre Cloud Forest Camp on 8-5, 2 at Hotel dos Rios, Volcano on 11-5 and 5 at the Querevalo Road on 13-5.

412. **Blue Dacnis** (*Dacnis cyana*)
    5 seen at the Pipeline Road on 1-5, 3 at the Achiote Road on 2-5, 6 at the Canopy Tower on 3-5 and 4 at Mogue on 4-5.

413. **Viridian Dacnis** (*Dacnis viguieri*)
    1 seen at Cana Field Station on 5-5.

414. **Green Honeycreeper** (*Chlorophanes spiza*)
    1 seen at Pirre Cloud Forest Camp on 8-5 and 2 at the Querevalo Road on 13-5.

415. **Shining Honeycreeper** (*Cyaneperes lucidus*)
    2 seen at the Metropolitan Nature Park, Panama City on 10-5 and 2 at the Querevalo Road on 13-5.

416. **Red-legged Honeycreeper** (*Cyaneperes cyaneus*)
    1 seen at Gamboa and 1 at the Gamboa Rainforest Resort on 1-5, 6 at the Achiote Road and 4 at the Gamboa Rainforest Resort on 2-5, 2 at the Canopy Tower on 3-5 and 6 at Mogue on 4-5.

417. **Swallow Tanager** (*Tersina viridis*)
    6 seen at Cana Field Station on 5-5, 2 there on 6-5, 5 on 9-5 and 1 on 10-5.

418. **Saffron Finch** (*Sicalis flaveola*) (I)
    1 seen at Lake Gatun on 2-5.

419. **Blue-black Grassquit** (*Volatinia jacarina*)
    10 seen at Gamboa on 1-5, 5 at Lake Gatun on 2-5, 6 en route from Panama City to Puerto Quipa on 3-5, 10 at Mogue on 4-5 and 10 at the Querevalo Road on 13-5.
420. **Variable Seedeater** (*Sporophila americana corvina*)
Common at the Canal Zone/Panama City and Cana Field station. Not seen at Cerro Pirre and in the Chiriqui Highlands, but 1 seen in the valley en route to Boquete on 13-5.

421. **White-collared Seedeater** (*Sporophila torqueola*)
2 seen en route to Boquete on 13-5.

422. **Yellow-bellied Seedeater** (*Sporophila nigricollis*)
1 seen at the Gamboa Rainforest Resort on 1-5, 5 at the Escobal Road on 2-5, 2 at La Palma on 5-5 and 1 at the Querevalo Road and en route to Boquete on 13-5.

423. **Lesser Seed-Finch** (*Oryzoborus angolensis*)
3 seen at the Achiote Road on 2-5, 5 at Mogue on 4-5, 5 at Cana Field Station on 6-5 and 2 there on 10-5.

424. **Yellow-faced Grassquit** (*Tiaris olivacea*)
1 seen at the Achiote Road on 2-5, 4 at Hotel dos Rios, Volcano on 11-5, 10 at Los Quetzales on 12-5, 6 at Hotel dos Rios, Volcano on 13-5 and 6 at Finca Lerida on 14-5.

425. **Slaty Flowerpiercer** (*Diglossa plumbea*)
3 seen at Los Quetzales on 12-5, 2 seen at Finca Lerida on 13-5 and 8 there on 14-5.

426. **Black-thighed Grosbeak** (*Pheucticus tibialis*)
2 seen at La Amstad on 12-5.

427. **Yellow-green Grosbeak** (*Caryothraustes canadensis*)
Heard at the Palitoni trail, Cana Field Station on 6-5, 15 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 4 en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5.

428. **Slate-colored Grosbeak** (*Pitylus grossus*)
2 seen at the Pipeline Road on 1-5.
429. **Buff-throated Saltator** (*Saltator maximus*)  
1 seen at Lake Gatun on 2-5, 3 at Cana Field Station on 5-5, 2 there on 6-5, 1 on 7-5, 2 on 9-5 and 2 on 10-5, 1 at the Volcan Lakes on 11-5 and 1 at the Querevalo Road on 13-5.

430. **Streaked Saltator** (*Saltator striatipectus*)  
2 seen at the Gamboa Rainforest Resort on 1-5, 1 at the Achiote Road on 2-5, 1 at Costa del Este on 10-5 and 1 at Hotel dos Rios, Volcano on 11-5.

431. **Crested Oropendola** (*Psarocolius decumanus*)  
1 seen at Lake Gatun and heard at the Escobal Road on 2-5, 20 at Mogue on 4-5, 2 there and 2 at Cana Field station on 5-5, 2 at the latter on 6-5, heard there on 7-5 and 1 at the Querevalo Road on 13-5.

432. **Chestnut-headed Oropendola** (*Psarocolius wagleri*)  
6 seen at the Summit Ponds on 1-5, 10 at the Escobal Road on 2-5, 1 at on 3-5, 3 at Mogue on 4-5, 5 at the Palitoni Trail, Cana Field Station on 6-5, heard en route from Cana Field Station to Pirre Cloud Forest Camp and 2 seen Cana Field Station at on 9-5.

433. **Black Oropendola** (*Gymnostinops guatimozinus*)  
4 seen at Mogue on 4-5.

434. **Yellow-rumped Cacique** (*Cacicus cela*)  
Common at the Canal Zone/Panama City, Mogue and Cana Field Station. Not seen in the Chiriqui Highlands.
435. **Scarlet-rumped Cacique** (*Cacicus uropygialis*)
   13 seen at Pipeline Road and 7 at the Plantation Loop on 1-5, 5 at the Escobal Road on 2-5, 2 at the Canopy Tower on 3-5 and 1 at Cana Field station on 6-5.

436. **Yellow-backed Oriole** (*Icterus chrysater*)
   2 seen at the Escobal Road on 2-5.

437. **Yellow-tailed Oriole** (*Icterus mesomelas*)
   2 seen at Lake Gatun 2-5, 1 at Cana Field Station on 6-5 and heard there on 10-5.

438. **Orange-crowned Oriole** (*Icterus auricapillus*)
   1 seen at Mogue on 4-5.

439. **Red-breasted Blackbird** (*Leistes militaris*)
   4 seen at Lake Gatun on 2-5, 3 en route from Panama City to Puerto Quipa and 2 at Costa del Este on 10-5.

440. **Eastern Meadowlark** (*Sturnella magna*)
   15 seen at Volcano on 11-5.

441. **Great-tailed Grackle** (*Quiscalus mexicanus*)
   Common, not seen at Mogue and Cana Field Station and Cerro Pirre.
442. **Shiny Cowbird** (*Molothrus bonariensis*)
50 seen en route from Puerto Quipa to Mogue on 3-5, 25 at Mogue on 4-5 and 20 there on 5-5, 2 at Cana Field station on 6-5, 10 at Volcano on 11-5, 5 at Los Quetzales on 12-5, 2 at the Querevalo Road on 13-5 and 3 at Finca Lerida on 14-5.

443. **Giant Cowbird** (*Scaphidura oryzivora*)
6 seen at Mogue on 4-5, 8 at Cana Field station on 5-5, 10 there on 6-5, 3 on 9-5 and 10-5.

*From left to right: Dick Meijer, Eldert Groenewoud, Peter los and Peter van Scheepen (Mogue)*
Mammals

1. **Bottlenose Dolphin** (*Tursiops truncatus*)
   4 seen at Golfo de San Miguel, en route from Puerto Quipa to Mogue on 3-5 and 7 at Golfo de San Miguel, en route from Mogue to La Palma on 5-5.

![Bottlenose Dolphin (Golfo de San Miguel)]

2. **Brown-throated Three-toed Sloth** (*Bradypus variegates*)
   1 seen at the Pipeline Road on 1-5, 1 at the Achiote Road on 2-5, 2 at the Canopy Tower on 3-5 and 2 at Cana Field Station on 6-5.

![Brown-throated Three-toed Sloth (Pipeline Road)]

3. **Western Night Monkey** (*Aotus zonalis*)
   2 seen at the Locomotion Trail, Cana Field Station on 5-5.
4. **Black Spider Monkey** *(Ateles paniscus)*
   3 seen at Cana Field Station on 6-5, 10 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5, 10 at Pirre Cloud Forest on 8-5, 5 en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5 and 5 Cana Field station at on 10-5.

5. **Mantled Howler Monkey** *(Alouatta palliate)*
   Heard and a few seen almost every day at the Canal Zone/Panama City, Mogue and Cana Field Station.

6. **Geoffroy’s Tamarin** *(Saguinus geoffroyi)*
   4 seen at the Achiote Road and 2 at Lake Gatun on 2-5, 2 at Mogue on 4-5 and 1 at Cana Field Station on 9-5.

7. **White-throated Capuchin Monkey** *(Cebus capuchinus)*
   20 seen at the Pipeline Road, 1 at the Canopy Tower on 3-5 and 3 at the Palitoni Trail, Cana Field Station on 6-5.
**8. Gray Fox** (*Urocyon cinereoargenteus*)
   2 seen at the Locomotion Trail, Cana Field Station and 2 at the airstrip at night on 5-5.

**9. Central American Agouti** (*Dasyprocta punctata*)
   1 seen at the Gamboa Rainforest Resort on 1-5, 9 at the Achiote Road and 1 at Gamboa on 2-5, 1 at Gamboa on 3-5, 2 at the Metropolitan Nature Park, Panama City on 10-5 and 2 at Hotel Bambito on 12-5.

**10. White-nosed Coati** (*Nasua narica*)
   4 seen at the Pipeline Road on 1-5, 1 at the Gamboa Rainforest Resort on 2-5 and 1 at Pirre Cloud Forest on 8-5.

**11. Variegated Squirrel** (*Sciurus variegatoides*)
   1 seen at the Achiote Road on 2-5, 1 at the Gamboa Rainforest Resort on 3-5, 2 at Hotel dos Rios, Volcan on 11-5, 1 at the Querevalo Road on 13-5 and 2 at Finca Lerida on 14-5.

**12. Red-tailed Squirrel** (*Sciurus granatensis*)
   2 seen at the Pipeline road on 1-5, 1 at the Achiote Road on 2-5 and 1 at Cana Field Station on 6-5.

**13. Neotropical Pygmy Squirrel** (*Sciurus pusillus*)
   2 seen at Hotel Bambito on 12-5 and 1 at the Querevalo Road on 13-5.

**14. Brazilian Rabbit** (*Sylvilagus brasiliensis*)
   1 seen at Hotel dos Rios on 12-5.

**15. Bat (spec)**
   1 small Bat seen at Mogue on 4-5 and 2 small and 1 larger Bats at Cana Field Station on 5-5.
Reptiles and Amphibians

1. **Spectacled Caiman** (*Caiman crocodilus*)
   1 seen at the Gamboa Rainforest Resort on 2-5.

2. **Swamp Turtle** (*spec*)
   1 seen at the Gamboa Rainforest Resort on 1-5 and 3 there on 2-5.

3. **Green Iguana** (*Iguana iguana*)
   2 seen from the Canopy Tower on 3-5.

4. **Striped Basilisk** (*Basiliscus vittatus*)
   1 seen at the Achiote Road on 2-5.

5. **Central American Whiptail** (*Ameiva festiva*)
   1 seen en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5.

6. **Green Spiny Lizard** (*Sceloporus malachiticus*)
   1 seen at Finca Lerida on 14-5.

7. **Razor Snake** (*spec*)
   1 seen en route from Pirre Cloud Forest Camp to Cana Field Station on 9-5.

8. **“Green-and Black Poison-dart Frog”** (*Dendrobates spec*)
   2 seen at Mogue on 4-5, 1 en route from Cana Field Station to Pirre Cloud Forest Camp on 7-5 and 3 at Pirre Cloud Forest on 8-5. (possibly different species involved).

9. **(Leaf) Toads and (small) Frogs** (*spec*)
   Small numbers seen almost daily.
Butterflies
Dragonflies