

Panama: Birds & Mammals | Species List

Apr. 3 – 11, 2022 | Compiled by Robert Gallardo



With Guide Robert Gallardo, with local experts and participants Joel, Holly, Beverly, Walter, Laura, George, Tom, Maureen, Beth & Cynthia

Summary: A group of ten clients, plus Robert and the local Canopy Family guides, explored various forested and wetlands habitats centered around the Canopy Tower in the Panama Canal Zone and the Canopy Lodge in the cool highlands of Coclé. The trip was set up to explore the diverse avifauna of the country as well as search for a wide variety of mammals, both during the daytime and on nocturnal excursions. It was the beginning of the rainy season so we had only intermittent rains. Easy hikes, combined with nocturnal drives, a boat ride and rainforest canopy views allowed us to find a wide variety of fauna. Our keen local guides, Alexis and Danilo, along with Robert's regional scope of knowledge, formed a great team of trained eyes and ears that would allow them to pinpoint and observe an incredible array of fauna during the entire trip. We would end up finding a nice assortment of the more common and expected species, but also see some regional rarities such as the Yellow-eared Toucanet, Black-and-yellow Tanager, Slate-colored Seedeater and the often elusive Rosy Thrush-Tanager.

(HO)= heard only

BIRDS (265 species recorded, of which 13 were heard only):

Tinamidae: Tinamous (1)

Great Tinamou *Tinamus major*—Heard at the Canopy Tower daily. One seen on each of the night drives on the same branch close to the Tower.

Anatidae: Ducks, Geese and Swans (1)

Black-bellied Whistling-Duck *Dendrocygna autumnalis*—One observed at the Ammo Dump ponds and a pair on the Chagres River.

Cracidae: Guans and Curassows (1)

Gray-headed Chachalaca *Ortalis cinereiceps*—A small group was seen at the Ammo Dump ponds and another group near the mouth of the Chagres River. Others seen near or at the Canopy Lodge, often times sitting on the fruit feeder.

Fregatidae: Frigatebirds (1)

Magnificent Frigatebird *Fregata magnificens*—Observed almost daily in small numbers around the Canal. One wandering individual seen in the Candelaria area above the Canopy Lodge.

Anhingidae: Anhingas (1)

Anhinga *Anhinga anhinga*—Five observed during the boat ride on the Chagres River, including one that swallowed a fish.

Pelecanidae: Pelicans (1)

Brown Pelican *Pelecanus occidentalis*—A few individuals were observed in the Canal area.

Ardeidae: Herons and Egrets (7)

Rufescent Tiger-Heron *Tigrisoma lineatum*—Several observed in the Ammo Dump ponds and one on the Chagres River during the boat ride; the latter with a baby turtle in its bill.

Great Egret *Ardea alba*—One observed en route to Pipeline Rd. Another individual seen inside the Metropolitan Park that appeared to be hunting along the forest edge. Absolutely strange behavior. Other individuals seen around more typical habitats.

Little Blue Heron *Egretta caerulea*—One in adult plumage and one juvenile observed during the boat on the Chagres River.

Tricolored Heron *Egretta tricolor*—Two observed during the boat ride on the Chagres River.

Green Heron *Butorides virescens*—Several observed during the boat ride on the Chagres River and individuals at the Ammo Dump ponds.

Striated Heron *Butorides striata*—One individual observed at the Ammo Dump ponds. Numerous seen quite well during the boat ride.

Cattle Egret *Bubulcus ibis*—Only one seen on the outskirts of El Valle.

Threskiornithidae: Ibis and Spoonbills (1)

White Ibis *Eudocimus albus*—Several seen along a mudflat as we departed the Miraflores Locks museum.

Cathartidae: New World Vultures (3)

Black Vulture *Coragyps atratus*—Fairly common throughout. Seen daily. Smaller numbers in highland areas.

Turkey Vulture *Cathartes aura*—Very common throughout. Seen daily. Large numbers of migrating individuals seen from atop the Canopy Tower on arrival day. Sometimes accompanied by migrating Swainson's Hawks.

King Vulture *Sarcoramphus papa*—One observed soaring high overhead during the walk down Semaphore Hill.

Pandionidae: Osprey (1)

Osprey *Pandion haliaetus*—Individuals seen along the Canal and Chagres River.

Accipitridae: Hawks, Eagles, and Kites (14)

Gray-headed Kite *Leptodon cayennensis*—One seen at close range while perched along Pipeline Road.

Swallow-tailed Kite *Elanoides forficatus*—Approx. seven seen in the Alturas del Maria area above the Canopy Lodge.

Mississippi Kite *Ictinia mississippiensis*—A large flock was seen upon arriving at the Rainforest Discovery Center. Smaller numbers were seen at the very end of the same day. A few seen from Canopy Tower on day of departure.

Snail Kite *Rostrhamus sociabilis*—Forty or more observed during the boat ride in two different backwaters. One particular tree contained about 12 males.

Double-toothed Kite *Harpagus bidentatus*—A group of three was seen on the walk down Semaphore Hill at the Canopy Tower on April 4.

White Hawk *Pseudastur albicollis*—Two observed soaring over a far ridgeline during the boat ride. One observed at close range while perched in the Alturas del Maria area.

Gray-lined Hawk *Buteo nitidus*—One observed during the boat ride. One immature seen in the Candelaria area above the Canopy Lodge.

Broad-winged Hawk *Buteo platypterus*—One fairly large (100+) migrating flock seen from atop the Canopy Tower on arrival day. A few seen at the Canopy Tower on Apr. 4.

Zone-tailed Hawk *Buteo albonotatus*—One observed during the boat ride.

Swainson's Hawk *Buteo swainsoni*—Several migrating flocks observed from Canopy Tower on arrival day, totaling perhaps 250 or more. A few more were seen at the Canopy Tower on Apr. 4.

Short-tailed Hawk *Buteo brachyurus*—One observed from atop the Canopy Tower on departure day. Another observed on the outskirts of El Valle.

Barred Hawk *Morphnarchus princeps*—One briefly seen as it flew over the road at Alturas del Maria above the Canopy Lodge. It was carrying a snake.

Roadside Hawk *Rupornis magnirostris*—One seen in the Candelaria area above the Canopy Lodge.

Crane Hawk *Geranospiza caeruleascens*—One found at the gate at the bottom of Semaphore Hill. An unexpected find!

Rallidae: Rails, Crakes, and Coots (4)

White-throated Crake *Laterallus albigularis* (HO)—Several heard, some at close range, at the Ammo Dump Ponds.

Gray-cowled Wood-Rail *Aramides cajaneus*—Observed well at Canopy Lodge, at times feeding on top of the fruit feeder.

Purple Gallinule *Porphyrio martinica*—Around 10 observed during the boat ride.

Common Gallinule *Gallinula galeata*—Nine observed during the boat ride.

Aramidae: Limpkin (1)

Limpkin *Aramus guarauna*—Several seen during the boat ride, including two juveniles.

Charadriidae: Plovers and Lapwings (1)

Southern Lapwing *Vanellus chilensis*—A pair was seen at the mouth of the Chagres River. At least eight seen in the Candelaria area above the Canopy Lodge on the lawns of the chicken farms.

Jacanidae: Jacanas (1)

Wattled Jacana *Jacana jacana*—Observed frequently around the Canal, including immatures.

Scolopacidae: Sandpipers and Allies (1)

Spotted Sandpiper *Actitis macularius*—Two observed during the boat ride.

Laridae: Gulls and Terns (3)

Laughing Gull *Leucophaeus atricilla*—Small numbers observed around the Canal.

Royal Tern *Thalasseus maximus*—One seen at the Miraflores Locks.

Sandwich Tern *Thalasseus sandvicensis*—Several observed at the Miraflores Locks.

Eurypygidae: Sunbittern (1)

Sunbittern *Eurypyga helias*—One observed well for a lengthy period at the canopy zipline operation adjacent to the Canopy Lodge.

Columbidae: Pigeons and Doves (6)

Rock Pigeon *Columba livia*—Most common in larger cities, but also noted in smaller towns as well.

Pale-vented Pigeon *Patagioenas cayennensis*—Frequently observed around the Canal.

Scaled Pigeon *Patagioenas speciosa*—Six seen from atop the tower at the Rainforest Discovery Center. One observed atop the Canopy Tower on day of departure.

Ruddy Ground-Dove *Columbina talpacoti*—One female observed at Summit Gardens. Several seen around the chicken farms in the Candelaria area above the Canopy Lodge.

White-tipped Dove *Leptotila verreauxi*—Several seen well at the Summit Gardens. Also seen on the grounds of the Canopy Lodge.

Gray-chested Dove *Leptotila cassinii* (HO)—Two heard during the walk down Semaphore Hill at the Canopy Tower on Apr. 4.

Cuculidae: Cuckoos and Anis (4)

Greater Ani *Crotophaga major*—Small groups seen well at the Ammo Dump Ponds and during the boat ride.

Smooth-billed Ani *Crotophaga ani*—Several seen in a field in the Candelaria area above the Canopy Lodge.
Striped Cuckoo *Tapera neavia*—One seen through the scope in the outskirts of Valle.
Squirrel Cuckoo *Piaya cayana*—One seen well at the Metropolitan Park.

Strigidae: Owls (3)

Tropical Screech-Owl *Megascops choliba*—One seen at close range at the Canopy Lodge.
Mottled Owl *Ciccaba virgata*—(HO)-Two heard during a night drive on Semaphore Hill.
Black-and-white Owl *Ciccaba nigrolineata*—Two seen well at a day roost on Semaphore Hill.

Nyctibiidae: Potoos (1)

Common Potoo *Nyctibius griseus*—One seen on a day roost at the Metropolitan Park.

Apodidae: Swifts (4)

Short-tailed Swift *Chaetura brachyuran*—A small flock was observed from atop Canopy Tower on Apr. 4.
Band-rumped Swift *Chaetura spinicaudus*—Small numbers seen from atop the tower at Canopy Tower, at Ammo Dump ponds and along Pipeline Road.
White-collared Swift *Streptoprocne zonaris*—Two observed at Alturas del Maria above the Canopy Lodge.
Lesser Swallow-tailed Swift *Panyptila cayennensis*—A few seen from atop the tower at Canopy Tower. A pair seen in the Candelaria area above the Canopy Lodge.

Trochilidae: Hummingbirds (19)

White-necked Jacobin *Florisuga mellivora*—Observed daily on the grounds of the Canopy Tower and Semaphore Hill. One also observed in the Altos del Maria area above the Canopy Lodge.
Green Hermit *Phaethornis guy*—One briefly seen at Alturas del Maria above the Canopy Lodge. Another seen in the Candelaria area.
Long-billed Hermit *Phaethornis longirostris*—Seen mostly at feeders at the Canopy Tower.
Stripe-throated Hermit *Phaethornis strigularis*—One observed frequently feeding on the Porterweed flowers and feeders at the Canopy Tower.
Purple-crowned Fairy *Heliophryx barroti*—One observed by Maureen inside the Canopy Tower on arrival day.
Black-throated Mango *Anthracothorax nigricollis*—One female briefly seen in the Candelaria area above the Canopy Lodge.
Rufous-crested Coquette *Lophornis delattrei*—One seen along the road near the Canopy Lodge on arrival day.
Long-billed Starthroat *Heliomaster longirostris*—One observed on the grounds of the Canopy Lodge on arrival day.
Garden Emerald *Chlorostilbon assimilis*—One male briefly observed in the outskirts of Valle.
White-vented Plumeleteer *Chalybura buffonii*—One seen well at the Canopy Tower on Apr. 4th and daily as it fed at the feeders.
Bronze-tailed Plumeleteer *Chalybura urochrysis*—One female seen feeding on *Hamelia patens* at Alturas del Maria above the Canopy Lodge.
Crowned Woodnymph *Thalurania colombica*—Several observed at Alturas del Maria above the Canopy Lodge.
Blue-chested Hummingbird *Amazilia amabilis*—Observed at the Canopy Tower feeding on *Calliandra* blooms and the feeders. Also observed at the Rainforest Discovery Center. Common in the Canal area.
Snowy-bellied Hummingbird *Amazilia edward*—One seen numerous times from the Canopy Tower on Apr. 4. One feeding on Porterweed at the Canopy Lodge. A few observed in the Altos del Maria area.
Rufous-tailed Hummingbird *Amazilia tzacatl*—Two observed at Summit Gardens. Observed daily on the grounds of the Canopy Lodge and small numbers in the surrounding highlands.
Violet-headed Hummingbird *Klais guimeti*—One observed at length feeding on Porterweed on the ground of the Canopy Lodge and just across the street.
Violet-bellied Hummingbird *Juliomyia julie*—Females and males were observed and photographed at the Canopy Tower and the Rainforest Discovery Center.
Green-crowned Brilliant *Heliodoxa jacua*—Two briefly observed at Alturas del Maria above the Canopy Lodge.
Snowcap *Microchera albocoronata*—One female briefly observed at Alturas del Maria above the Canopy Lodge.

Trogonidae: Trogons (6)

Slaty-tailed Trogon *Trogon massena*—One heard calling from the Canopy Tower on arrival day. Several observed well at the bottom of Semaphore Hill and one at Pipeline Rd.

Black-tailed Trogon *Trogon melanurus*—Three seen well inside Summit Gardens; two males and a female. One female observed from atop the tower at the Rainforest Discovery Center.

White-tailed Trogon *Trogon chionurus*—One briefly seen flying overheard along Pipeline Road.

Gartered Trogon *Trogon caligatus*—Several heard along Pipeline Rd. A female was seen at close range at the Metropolitan Park.

Black-throated Trogon *Trogon rufus*—A male observed at close range as we left the Rainforest Discovery Center.

Collared Trogon *Trogon collaris*—Several of the orange-bellied race seen at Alturas del Maria above the Canopy Lodge.

Momotidae: Motmots (5)

Tody Motmot *Hylomanes momotula*—(HO) One heard calling from the thick understory on the outskirts of Valle.

Rufous Motmot *Baryphthengus martii*—A one-eyed individual was seen at the Canopy Lodge on arrival day. Two more observed in the Alturas del Maria area.

Broad-billed Motmot *Electron platyrhynchum*—Pair seen well during the walk down Semaphore Hill at the Canopy Tower on Apr. 4. Another seen from atop Canopy Tower on day of departure.

Whooping Motmot *Momotus subrufescens*—One observed well at the Metropolitan Park.

Lesson's Motmot *Momotus lessonii*—Two found, one seen, in the outskirts of Valle. This is the species that emits the two-note call that is typically heard to the north.

Alcedinidae: Kingfishers (2)

Ringed Kingfisher *Megaceryle torquata*—Numerous individuals seen around the Canal area, including a pair at the mouth of the Chagres River.

Green Kingfisher *Chloroceryle americana*—One observed at the Ammo Dump ponds. Another observed along the creek at the Canopy Lodge.

Bucconidae: Puffbirds (2)

White-necked Puffbird *Notharchus hyperrhynchus*—One observed high up in a fig tree on Pipeline Rd.

White-whiskered Puffbird *Malacoptila panamensis*—A pair briefly seen during the walk down Semaphore Hill at the Canopy Tower on Apr. 4. Another one briefly observed along Pipeline Rd.

Capitonidae: Barbets (1)

Spot-crowned Barbet *Capito maculicoronatus*—A male/female pair seen well just up the road from the Canopy Lodge.

Ramphastidae: Toucans (5)

Collared Aracari *Pteroglossus torquatus*—A small group was seen along Pipeline Rd. and another group inside the Summit Gardens. A pair seen at close range from atop Canopy Tower on day of departure.

Northern Emerald Toucanet *Aulacorhynchus prasinus*—At least five (of the blue-throated form) were observed in the Alturas del Maria area above the Canopy Lodge, including one that was excavating a nest in a large, dead snag. Others heard in the Candelaria area.

Yellow-throated Toucan *Ramphastos ambiguus*—Several observed from atop the tower at the Rainforest Discovery Center.

Keel-billed Toucan *Ramphastos sulfuratus*—Common throughout. Many heard and some seen well, especially from atop the Canopy Tower. One seen near the Canopy Lodge on day of arrival. One also heard in the Alturas del Maria area above the Canopy Lodge.

Yellow-eared Toucanet *Selenidera spectabilis*—A female was observed in the Alturas del Maria area above the Canopy Lodge that was feeding alongside numerous Emerald Toucanets.

Picidae: Woodpeckers (5)

Black-cheeked Woodpecker *Melanerpes pucherani*—One observed during the walk down Semaphore Hill at the Canopy Tower on Apr. 4. Fairly common in the entire Canal area. Another heard near the lunch stop in the Alturas del Maria area above the Canopy Tower.

Red-crowned Woodpecker *Melanerpes rubricapillus*—Numerous individuals observed well at the Summit Gardens. Others seen during the boat ride and more in the Candelaria area above the Canopy Tower.

Cinnamon Woodpecker *Celeus loricatus*—A pair seen multiple times from the Canopy Tower.

Lineated Woodpecker *Dryocopus lineatus*—(HO)-One heard at the Metropolitan Park.

Crimson-crested Woodpecker *Campephilus melanoleucos*—One briefly observed during the walk down Semaphore Hill at the Canopy Tower on Apr. 4. A group of three observed at close range at the Metropolitan Park.

Falconidae: Falcons and Caracaras (5)

Yellow-headed Caracara *Milvago chimachima*— Small numbers observed most days throughout the Canal area.

Crested Caracara *Caracara plancus*—A perched pair was observed inside the Summit Gardens. Another seen in the Candelaria area above the Canopy Tower.

Peregrine Falcon *Falco peregrinus*—One observed soaring away from inside Summit Gardens.

Bat Falcon *Falco ruficularis*—One female observed at the mouth of the Chagres River.

American Kestrel *Falco sparverius*—One female observed atop a light post at the Miraflores Locks.

Psittacidae: Parrots (6)

Orange-chinned Parakeet *Brotogeris jugularis*—Common throughout the Canal area. Seen well with scope inside the Summit Gardens.

Brown-hooded Parrot *Pionopsitta haematotis*—Small flock flew by the Canopy Tower on Apr. 4. Pair seen briefly flying overhead at the Canopy Lodge.

Blue-headed Parrot *Pionus menstruus*—One seen perched high near the Canopy Lodge on day of arrival. A couple more seen in the Alturas del Maria area. Others briefly seen in the Candelaria area.

Red-lored Parrot *Amazona autumnalis*—Fairly common to common. Pairs and at times small flocks were observed from atop the Canopy Tower.

Mealy Parrot *Amazona farinosa*—One pair was observed from atop the Canopy Tower on arrival day. Many more observed from the tower and a pair along Semaphore Hill road on Apr. 4.

Barred Parakeet *Bolborhynchus lineola*—(HO) Heard flying overhead in the Alturas del Maria area above the Canopy Lodge. This species was not on the Lodge's checklist.

Thamnophilidae: Antbirds (10)

Fasciated Antshrike *Cymbilaimus lineatus*— Many heard and a pair seen well during the walk down Semaphore Hill on Apr. 4.

Barred Antshrike *Thamnophilus doliatus*—A male/female pair seen well at the Ammo Dump ponds.

Black-crowned Antshrike *Thamnophilus atrinucha*— Many heard and a pair seen well during the walk down Semaphore Hill on Apr. 4. Common throughout the entire Canal area.

Russet Antshrike *Thamnistes anabatinus*—One briefly seen in the Candelaria area above the Canopy Lodge as it accompanied a large mixed flock.

Plain Antwreos *Dysithamnus mentalis*—Two observed in the Alturas del Maria area above the Canopy Lodge.

Checker-throated Stipplethroat (Antwren) *Epinecrophylla fulviventris*—A pair seen well during the walk down Semaphore Hill on Apr. 4.

Dot-winged Antwren *Microrhopias quixensis*—Several seen during the walk down Semaphore Hill on Apr. 4.

Dusky Antbird *Cercomacroides tyrannina*—Many heard, and one pair seen, during the walk down Semaphore Hill on Apr. 4. Fairly common in the Canal area.

Chestnut-backed Antbird *Poliocrania exsul*—(HO)-Several heard during the walk along Pipeline Road.

Bicolored Antbird *Gymnopithys bicolor*—One observed well and through scope at Pipeline Road.

Formicariidae: Antthrushes (1)

Black-faced Antthrush *Formicarius analis*—(HO) Several heard around the Canopy Tower and during the walk down Semaphore Hill on Apr. 4. Others heard at the Rainforest Discovery Center. Also heard in the Alturas del Maria area above the Canopy Lodge.

Furnariidae: Ovenbirds, Woodcreepers, and Allies (7)

Plain-brown Woodcreeper *Dendrocincla fuliginosa*—One observed briefly at the Rainforest Discovery Center.

Wedge-billed Woodcreeper *Glyphorhynchus spirurus*—One briefly observed in the Candelaria area above the Canopy Lodge.

Cocoa Woodcreeper *Xiphorhynchus susurrans*—Many heard, and one seen briefly, during the walk down Semaphore Hill on Apr. 4. Common throughout the entire Canal area. One seen well at the Canopy Lodge on day of arrival.

Spotted Woodcreeper *Xiphorhynchus erythropygus*—One observed in the Alturas del Maria area above the Canopy Lodge and another heard in the Candelaria area.

Spotted Barbtail *Premnoplex brunescens*—Two observed in the Alturas del Maria area above the Canopy Lodge.

Red-faced Spinetail *Cranioleuca erythrops*—One seen well in the Alturas del Maria area above the Canopy Lodge as it accompanied a mixed flock of tanagers and warblers.

Plain Xenops *Xenops minutus*—One seen well in the Metropolitan Park. One observed accompanying a mixed flock in the Candelaria area above the Canopy Lodge.

Tyrannidae: Tyrant Flycatchers (35)

Ruddy-tailed Flycatcher *Terenotriccus erythrus*—One observed along the walk at Pipeline Road.

White-throated Spadebill *Platyrinchus mystaceus*—One briefly observed in the Alturas del Maria area above the Canopy Lodge.

Rufous-browed Tyrannulet *Phylloscartes supercilialis*—One seen numerous times, and quite well, in the Alturas del Maria area above the Canopy Lodge.

Scale-crested Pygmy-Tyrant *Lophotriccus pileatus*—One seen well and others heard in the Alturas del Maria area above the Canopy Lodge.

Brown-capped Tyrannulet *Ornithion brunneicapillus*—One seen very well from atop the Canopy Tower on Apr. 4.

Yellow-crowned Tyrannulet *Tyrannulus elatus*—Seen well on two different occasions at the Ammo Dump pond. Appears to be good place to see this tiny flycatcher.

Forest Elaenia *Myiopagis gaimardii*—One seen well from atop the Canopy Tower on Apr. 4.

Greenish Elaenia *Myiopagis viridicata*—Two briefly observed at the Metropolitan Park.

Yellow-bellied Elaenia *Elaenia flavogaster*—One observed at the lunch stop in the Alturas del Maria area above the Canopy Lodge. One seen in the outskirts of Valle.

Olive-striped Flycatcher *Mionectes olivaceus*—One briefly observed in the Alturas del Maria area above the Canopy Lodge.

Mistletoe (Paltry) Tyrannulet *Zimmerius vilissimus*—A pair observed at the Metropolitan Park. Also observed in the Alturas del Maria area above the Canopy Lodge.

Rufous Mourner *Rhytipterna holerythra*—Two seen quite well in the Alturas del Maria area above the Canopy Lodge.

Southern Bentbill *Oncostoma olivaceum*—(HO)—Several heard during the walk down Semaphore Hill on Apr. 4.

Common Tody-Flycatcher *Todirostrum cinereum*—One observed well at the Ammo Dump ponds. A nesting pair seen on the grounds of the Canopy Lodge. Also seen in the Candelaria area.

Eye-ringed Flatbill *Rhynchocyclus brevirostris*—A pair seen well in the Alturas del Maria area above the Canopy Lodge.

Yellow-olive Flycatcher *Tolmomyias sulphurescens*—One seen at the Ammo Dump ponds and another inside the Summit Gardens. A nest was seen along the trail at Summit Gardens.

Yellow-margined Flycatcher *Tolmomyias assimilis*—One observed by some during the walk down Semaphore Hill.

Dusky-capped Flycatcher *Myiarchus tuberculifer*—One seen well at the Metropolitan Park. One also seen on the grounds of the Canopy Lodge.

Panama Flycatcher *Myiarchus panamensis*—One seen well at the Ammo Dump ponds. Seen well on the outskirts of Valle.

Great Crested Flycatcher *Myiarchus crinitus*—(HO)—Heard along the walk down Semaphore Hill.

Lesser Kiskadee *Pitangus lektor*—Numerous individuals seen during the boat ride, including one with an active nest sitting right at water level.

Great Kiskadee *Pitangus sulphuratus*—Fairly common in more open areas around the Canal. Smaller numbers seen in the highlands above the Canopy Lodge, especially around agricultural areas.

Boat-billed Flycatcher *Megarynchus pitangua*—(HO) Heard from atop the tower at the Rainforest Discovery center.

Rusty-margined Flycatcher *Myiozetetes cayanensis*—Common throughout the Canal area. A nesting pair seen on the grounds of the Canopy Lodge.

Social Flycatcher *Myiozetetes similis*—A few individuals observed inside the Summit Gardens. One at the Canopy Lodge.

Streaked Flycatcher *Myiodynastes maculates*—One heard during the walk down Semaphore Hill on Apr. 4. Others seen elsewhere. Much more common in Panama than elsewhere northward.

Sulphur-bellied Flycatcher *Myiodynastes luteiventris*—One seen during the walk down Semaphore Hill on Apr. 4. Outnumbered by Streaked Fly.

Piratic Flycatcher *Legatus leucophaeus*—Numerous individuals observed inside the Summit Gardens. Another seen in the Candelaria area above the Canopy Lodge.

Tropical Kingbird *Tyrannus melancholicus*—Fairly common in most open areas.

Eastern Kingbird *Tyrannus tyrannus*—Observed almost daily in the Canal area, including small flocks in migration.

Bran-colored Flycatcher *Myiophobus fasciatus*—One briefly observed in the Candelaria area above the Canopy Lodge.

Tufted Flycatcher *Mitrephanes phaeocercus*—One seen in the Alturas del Maria area above the Canopy Lodge.

Eastern Wood-Pewee *Contopus virens*—One seen (and heard) by the gate along Pipeline Road. Another from atop Canopy Tower on day of departure.

Tropical Pewee *Contopus cinereus*—One seen inside Summit Gardens.

Long-tailed Tyrant *Colonia colonus*—One seen at the lunch stop in the Alturas del Maria area above the Canopy Lodge. Elsewhere in its range (in C.A.) it is usually found in the lowlands.

Cotingidae: Cotingas and Allies (2)

Purple-throated Fruitcrow *Querula purpurata*—Observed with scope along Pipeline Road and from atop the tower at the Rainforest Discovery Center.

Blue Cotinga *Cotinga nattererii*—A female seen along Pipeline Road. First male seen from atop the tower at the Rainforest Discovery Center. A second male was at the Canopy Tower in the am hours. Three more males appeared at the Canopy Tower on the morning of departure.

Pipridae: Manakins (4)

Lance-tailed Manakin *Chiroxiphia lanceolata*—Mostly heard at various forest patches, but a male and female were observed at the Metropolitan Park. Heard in forest near the Canopy Lodge. One male seen well in the outskirts of Valle.

White-ruffed Manakin *Corapipo altera*—Several seen in the Alturas del Maria area above the Canopy Lodge.

Blue-crowned Manakin *Lepidothrix coronata*—A female observed feeding on Melastome fruits at Semaphore Hill on Apr. 4 and another female along Pipeline Road.

Golden-collared Manakin *Manacus vitellinus*—A splendid male was observed by the feeders at the Rainforest Discovery Center. Seen in the Candelaria area above the Canopy Lodge and others heard in the forests in the outskirts of Valle.

Tityridae: Becards and Tityras (2)

Northern Schiffornis *Schiffornis veraepacis*—One heard and seen briefly as it flew across the road in the Alturas del Maria area above the Canopy Lodge.

Masked Tityra *Tityra semifasciata*—Numerous individuals observed at the Ammo Dump ponds and Pipeline Rd. A nesting pair was seen by the mouth of the Chagres River.

Vireonidae: Vireos (5)

Green Shrike-Vireo *Vireolanius pulchellus*—Many heard at the Canopy Tower. Seen well from atop the tower on morning of Apr. 4. Heard most everywhere in the Canal area. Few heard in the Canopy Lodge area.

Lesser Greenlet *Pachysylvia decurtata*—A few seen briefly from atop the Canopy Tower on Apr. 4. Heard mostly at other sites. Fairly common in the Canal area. Others heard and/or seen in the Canopy Lodge area.

Golden-fronted Greenlet *Pachysylvia aurantifrons*—One observed well at the Metropolitan Park.

Yellow-green Vireo *Vireo flavoviridis*—Observed at the Metropolitan Park. Another observed well in the outskirts of Valle.

Red-eyed Vireo *Vireo falvoviridis*—Several observed during the walk down Semaphore Hill.

Corvidae: Crows and Jays (1)

Black-chested Jay *Cyanocorax affinis*—A pair was seen well inside the Summit Gardens. Seen daily around the Canopy Lodge.

Hirundinidae: Swallows and Martins (5)

Southern Rough-winged Swallow *Stelgidopteryx ruficollis*—One perched individual seen well during the boat ride. Small numbers seen in the highlands above the Canopy Lodge.

Gray-breasted Martin *Progne chalybea*—Small numbers observed from the Canopy Tower on arrival day. Many others seen during the boat ride. Common around the town of Valle.

Mangrove Swallow *Tachycineta albilinea*—Observed anytime we were around the Canal.

Cliff Swallow *Petrochelidon pyrrhonota*—One perched on a wire near the Ammo Dump ponds.

Barn Swallow *Hirundo rustica*—Small numbers observed from the Canopy Tower on arrival day. Seen throughout.

Troglodytidae: Wrens (9)

House Wren *Troglodytes aedon*—One seen at the Ammo Dump ponds and another at the Summit Gardens. Common around the Canopy Lodge area.

Ochraceous Wren *Troglodytes ochraceus*—(HO) Heard several times in the Alturas del Maria area above the Canopy Lodge.

Rufous-breasted Wren *Pheugopedius rutilus*—Seen well at the Metropolitan Park. Also seen well in the outskirts of Valle.

Rufous-and-white Wren *Thryophilus rufalbus*—Seen well at the Metropolitan Park as a pair was nest building. Also heard in the Candelaria area above the Canopy Lodge.

Isthmian Wren *Cantorchilus elutus*—(HO) Heard calling from thickets in the outskirts of Valle.

Bay Wren *Cantorchilus nigricapillus*—Seen by some at the Canopy Lodge.

White-breasted Wood-wren *Henicorhina leucosticte* (HO)—One heard briefly during the walk down Semaphore Hill on Apr. 4.

Gray-breasted Wood-wren *Henicorhina leucophrys*—(HO) Heard numerous times in the Alturas del Maria area above the Canopy Lodge.

Song Wren *Cyphorhinus phaeocephalus*—A pair was briefly observed during the walk down Semaphore Hill.

Poliophtilidae: Gnatcatchers (2)

Long-billed Gnatwren *Ramphocelus melanurus*—One heard during the walk down Semaphore Hill on Apr. 4 and another at Metropolitan park.

White-browed Gnatcatcher *Poliophtila plumbea*—A female seen well from atop the Canopy Tower on Apr. 4.

Turdidae: Thrushes (3)

Clay-colored Thrush *Turdus grayi*—Fairly common in the Canal area, especially around residential areas.

Pale-vented Thrush *Turdus obsoletus*—One seen in the Alturas del Maria area above the Canopy Lodge.

Swainson's Thrush *Catharus ustulatus*—Two seen around the Canopy Tower on Apr. 4. A small group was feeding on fruits inside the forest on the outskirts of Valle.

Mimidae: Mockingbirds and Thrashers (1)

Tropical Mockingbird *Mimus gilvus*—Numerous individuals observed along the Canal area, usually perched atop wires or poles. Others seen in the highlands above the Canopy Lodge.

Parulidae: New World Warblers (11)

Louisiana Waterthrush *Parkesia motacilla*—One seen along the creek at the Canopy Lodge.

Northern Waterthrush *Parkesia noveboracensis*—Observed at the Ammo Dump ponds, one inside Summit Gardens and one at the Metropolitan Park.

Golden-winged Warbler *Vermivora chrysoptera*—A female was seen at the Metropolitan Park. Two males were seen in the Alturas del Maria area above the Canopy Lodge.

Mourning Warbler *Geothlypis philadelphia*—One seen well foraging along a Hibiscus hedge in the Candelaria area above the Canopy Lodge.

Bay-breasted Warbler *Setophaga castanea*—Many individuals seen from atop the Canopy Tower on Apr. 4. Many also observed at the Metropolitan Park, including individual foraging on the ground. Also observed around the Canopy Lodge area.

Yellow Warbler *Setophaga petechia*—Uncommon at this time of year. One seen at the Ammo Dump ponds, another inside Summit Gardens and a brightly plumaged male at the Metropolitan Park.

Chestnut-sided Warbler *Setophaga pensylvanica*—One seen from atop the tower at Canopy Tower.

Blackburnian Warbler *Setophaga fusca*—One in bright breeding plumage observed from atop the Canopy Tower on Apr. 4 as it accompanied a large mixed flock of birds. Smaller numbers seen around the Canopy Lodge area.

Buff-rumped Warbler *Basileuterus fulvicauda*—One seen well on the grounds of the Canopy Lodge.

Chestnut-capped Warbler *Basileuterus delatirii*—A pair seen alongside the road near the Canopy Lodge. Also seen in the Altos del Maria and Candelaria areas.

Canada Warbler *Cardellina canadensis*—One seen by some near the Canopy Lodge and another in the Altos del Maria area.

Thraupidae: Tanagers and Allies (25)

White-shouldered Tanager *Tachyphonus luctuosus*—One male briefly observed from atop the Canopy Tower and another male down Semaphore Hill on Apr. 4. Several observed well at the Metropolitan Park. More males and females seen near the Canopy Lodge.

Tawny-crested Tanager *Tachyphonus delatirii*—Males and females seen well in the Candelaria area above the Canopy Lodge.

White-shouldered Tanager *Loriolus luctuosus*—A male seen well in the Candelaria area above the Canopy Lodge.

Flame (Lemon)-rumped Tanager *Ramphocelus flammigerus*—A pair seen through the scope in the Alturas del Maria area above the Canopy Lodge.

Crimson-backed Tanager *Ramphocelus dimidiatus*—Numerous observed at the Summit Gardens and seen well at the Metropolitan Park. Seen at the feeders at the Canopy Lodge.

Blue-gray Tanager *Thraupis episcopus*—Small numbers observed, especially in more open areas around the Canal. Seen at the feeders at the Canopy Lodge and elsewhere in the surrounding highlands.

Palm Tanager *Thraupis palmarum*—Fairly common throughout. Frequently observed from atop the Canopy Tower. Sometimes observed singly, in pairs and occasionally with mixed flocks. Seen in lower numbers around the Canopy Lodge area.

Golden-hooded Tanager *Tangara larvata*—A pair seen from the dining room area at the Canopy Tower. Pair seen on the grounds at the Canopy Lodge. Also observed in the Alturas del Maria area.

Plain-colored Tanager *Tangara inorata*—A few observed from atop the Canopy Tower on Apr. 4. Also observed at the Metropolitan Park. Much fewer numbers in the Canopy Lodge area.

Bay-headed Tanager *Tangara gyrola*—Male seen briefly along the road near the Canopy Lodge and in the Candelaria area.

Silver-throated Tanager *Tangara icterocephala*—Many seen in the Alturas del Maria and Candelaria areas above the Canopy Lodge. Frequently seen accompanying mixed flocks.

Scarlet-thighed Dacnis *Dacnis venusta*—One male briefly seen and a female seen well in the Candelaria area above the Canopy Lodge.

Blue Dacnis *Dacnis cayana*—Numerous males and a couple of females observed from atop the Canopy Tower on Apr. 4. Also observed from atop the tower at the Rainforest Discovery Center.

Bananaquit *Coerebe flaveola*—One seen on the grounds of the Canopy Lodge. Two more seen in the Alturas del Maria area.

Red-legged Honeycreeper *Cyanerpes cyaneus*—A male was observed from atop the Canopy Tower on Apr. 4. Another male was observed from atop the tower at the Rainforest Discovery Center. Smaller numbers seen elsewhere, including the Canopy Lodge surroundings.

Green Honeycreeper *Chlorophanes spiza*—One male observed from the upper deck at the Canopy Tower on Apr. 3 & Apr. 4. Observed at many sites, including the surrounding highlands around the Canopy Lodge.

Black-and-yellow Tanager *Chrysothlypis chrysomelas*—Males and females observed well in the Alturas del Maria area above the Canopy Lodge. Most were accompanying a mixed flock.

Blue-black Grassquit *Volatinia jacarina*—Observed mostly around the Ammo Dump ponds.

Thick-billed Seed-Finch *Sporophila funerea*—A male was observed singing in the Candelaria area above the Canopy Lodge.

Variable Seedeater *Sporophila corvina*—Observed mostly around the Canal in grassy areas. Fairly common.

Slate-colored Seedeater *Sporophila schistacea*—Two males and a few females were observed feeding on bamboo seeds inside the Summit Gardens. Appears to be a good place to see this otherwise uncommon bird.

Yellow-bellied Seedeater *Sporophila nigricollis*—Many males and females observed along the canal, especially around the Ammo Dump ponds.

Yellow-faced Grassquit *Tiaris olivaceus*—Many seen in open areas in the Candelaria area above the Canopy Lodge.

Buff-throated Saltator *Saltator maximus*—Several observed at the Ammo Dump ponds. Another pair building a nest along the retaining wall at the Canopy Lodge.

Streaked Saltator *Saltator striatipectus*—Several heard and one seen in the outskirts of Valle.

Mitrospingidae: Mitrospingid Tanagers (1)

Dusky-faced Tanager *Mitrospingus cassinii*—Seen daily on the grounds of the Canopy Lodge.

Cardinalidae: Cardinals and Grosbeaks (7)

Summer Tanager *Piranga rubra*—At least three observed from atop the Canopy Tower on Apr. 4. Smaller numbers observed elsewhere on the trip.

Scarlet Tanager *Piranga olivacea*—Numerous males and females observed at the Canopy Tower on arrival day and many observed along Semaphore Hill road on Apr. 4. Observed almost daily at different sites.

Rose-breasted Grosbeak *Pheucticus ludovicianus*—One alternate plumage male observed along Semaphore Hill. A breeding plumage male was observed at the Metropolitan Park.

Red-throated Ant-Tanager *Habia fuscicauda*—A small group was briefly observed at the Metropolitan Park.

Red-crowned Ant-Tanager *Habia rubica*—Seen on the grounds of the Canopy Lodge.

Blue-black Grosbeak *Cyanocompsa cyanooides*—One heard during the walk along Semaphore Hill on Apr. 4. A female observed by some on the grounds of the Canopy Lodge.

Dickcissel *Spiza americana*—One in breeding plumage was observed at the Ammo Dump ponds.

Icteridae: New World Blackbirds (9)

Chestnut-headed Oropendola *Psarocolius wagleri*—A large active colony was observed during our boat ride. Also seen in low numbers around the Canopy Lodge. A small colony at the lunch stop in the Alturas del Maria area.

Scarlet-rumped Cacique *Cacicus uropygialis*—Several seen well from atop the Canopy Tower and during the walk along Semaphore Hill on Apr. 4. Fairly common throughout the Canal area.

Yellow-rumped Cacique *Cacicus cela*—One observed numerous times coming and going from the Chestnut-headed Oropendola colony.

Yellow-backed Oriole *Icterus chrysater*—A small flock was observed well at the Metropolitan Park. Another observed along Pipeline Rd.

Baltimore Oriole *Icterus galbula*—Many males and females were observed at the Ammo Dump ponds on Apr. 4.

Shiny Cowbird *Molothrus bonariensis*—Males and females were observed well inside Summit Gardens.

Bronzed Cowbird *Molothrus aeneus*—One observed around a chicken ranch in Candelaria area above the Canopy Lodge. Red eyes seen with scope.

Giant Cowbird *Molothrus oryzivorus*—Many observed at the oropendola colony during the boat ride and a few inside the Summit Gardens. Others seen in the Candelaria area above the Canopy Lodge.

Great-tailed Grackle *Quiscalus mexicanus*—Found mostly around towns and larger cities.

Fringillidae: Finches and Euphonias (4)

Yellow-crowned Euphonia *Euphonia luteicapilla*—One male seen well on the outskirts of Valle.

Thick-billed Euphonia *Euphonia laniirostris*—One observed by some at the Summit Gardens and a female seen at the Canopy Tower. Males and females seen well at the Canopy Lodge and vicinity.

Fulvous-vented Euphonia *Euphonia fulvicrissa*—One observed by some during the walk down Semaphore Hill.

Tawny-capped Euphonia *Euphonia annae*—Two seen in the Alturas del Maria area above the Canopy Lodge, including a scope view of a male. Also seen in the Candelaria area.

Rhodinocichlidae: Thrush-Tanager (1)

Rosy Thrush-Tanager *Rhodinocichla rosea*—A male/female pair was observed well in the outskirts of Valle.

Emberizidae: New World Sparrows (2)

Common Chlorospingus *Chlorospingus flavopectus*—Many seen throughout the day in the Alturas del Maria area above the Canopy Lodge.

Black-striped Sparrow *Arremon conirostris*—One seen well in the Candelaria area above the Canopy Lodge.

MAMMALS (15 species recorded):

Megalonychidae & Bradypodidae: Sloths (2)

Hoffman's Two-toed Sloth *Choloepus hoffmanni*—One seen well as it descended a large tree along Semaphore Hill on Apr. 4. Two more seen well during two of the night drives. A recently born baby still with its umbilical cord was found abandoned at the Metropolitan Park. It was rescued by Alexis and eventually taken to a rehabilitation center.

Brown-throated Three-toed Sloth *Bradypus variegatus*—Fairly common throughout in all forest habitats. Seen as active individuals during the day.

Chlamyphoridae: Armadillos (1)

Nine-banded Armadillo *Dasyurus novemcinctus*—One seen crossing the road along Semaphore Hill during one of the night drives.

Emballonuridae: Sac-winged Bats (1)

Greater White-lined Bat *Saccopteryx bilineata*—Many seen under the stairs of the tower at the Rainforest Discovery Center.

Phyllostomidae: Leaf-nosed Bats (1)

Common Tent-making Bat *Uroderma bilobatum*—Small numbers seen under palm leaves inside the Summit Gardens.

Molossidae: Free-tailed Bats (1)

Little Mastiff Bat *Molossus molossus*—A few entered the dining area at the Canopy Tower.

Callitrichidae: Marmosets and Tamarins (1)

Geoffroy's Tamarin *Sanguinus geoffroyi*—Small groups arrived at the Canopy Tower twice during our visit.

Cebidae: New World Monkeys (3)

Western Night Monkey *Aotus zonalis*—One was found inside a hollow tree at the entrance to a golf resort down the highway.

White-faced Capuchin *Cebus capuchinus*—One individual seen on a small island during our boat ride.

Mantled Howler *Alouatta palliata*—Common. Seen, and especially heard, throughout at most forested habitats. One seen at close range atop the Canopy Tower on the morning of departure day.

Sciuridae: Squirrels (1)

Red-tailed Squirrel *Sciurus granatensis*—One seen well along Pipeline Road. Another visited the fruit feeder daily at the Canopy Lodge.

Dasyproctidae: Agoutis (1)

Central American Agouti *Dasyprocta punctata*—Common virtually everywhere inside forested habitats.

Procyonidae: Raccoons & Allies (3)

White-nosed Coati *Nasua narica*—Two observed from the roof of the Canopy Tower on arrival day; one at close range. Both were feeding on Melastome fruits high in the canopy. Another observed at the entrance of Pipeline Road and another inside Summit Gardens.

Allen's Olingo *Bassaricyon alleni*—One observed at close range at the Canopy Tower on arrival day. It arrived in the evening to feed on bananas that were set out by the Tower staff.

Kinkajou *Potos flavus*—Two sightings from the Canopy Tower that came to eat bananas set out by Staff.

Other Fauna

Iguanidae: Iguanas

Green Iguana *Iguana iguana*—Several young individuals observed from the Canopy Tower on arrival day. Some larger individuals were seen during the boat ride.

Crocodylidae: Crocodiles

American Crocodile *Crocodylus acutus*—A small one and one large one seen during the boat ride. We were able to approach the large one quite closely before it slid into the water.

Corytophanidae: Basilisk Lizards

Common Basilisk *Basiliscus basiliscus*—Large and small individual seen at the Canopy Lodge.

Hylidae: Frogs

Canal Zone Treefrog (*Boana rufitela*)-Many seen on the night walk at the ponds on the grounds of the Canopy Lodge. Males have blue throat pouches and were heard calling.

Veined Treefrog (*Trachycephalus typhonius*)-One seen at the parking lot of the Canopy Tower at the onset of a night drive.

Phyllomedusidae: Tree Frogs

Splendid Treefrog (*Cruziohyla calcarifer*)—A small group was found just below the Canopy Tower where there was a water-filled cement tube. Many individuals were involved in courtship and/or mating. Two eggs masses were found.

Centrolenidae: Glass Frogs

Chiripo Bare-hearted Glassfrog (*Hyalinobatrachium chirripoi*)—One individual was found at the ponds on the grounds of the Canopy Lodge. Several others were heard.

Lepidoptera: Butterflies & Moths

Narbal Hairstreak *Olynthus narbal*—Two seen along Semaphore Hill; one seen through spotting scope.

Zebra Longwing *Heliconius charitonia*—One photographed by some on the grounds of the Canopy Lodge.

Dotted Firetip *Melanopyge* sp.—Large and colorful skipper seen by the retaining wall at the Canopy Lodge.

Arctiid moth—A beautiful day-flying moth seen at ground level along Semaphore Hill.