

PANAMA

"The trip to Panama's Canopy Tower and Lodge combined an impressive diversity of birds (376 species) and nearly 20 species of mammals with a lush tropical setting, great company and excellent local cuisine. Our highlight species were many, with some of the standouts including a foraging Rufous-vented Ground-Cuckoo attending a large swarm of army ants, a pair of the locally scarce Ruddy Woodcreepers, close views of a stunning male Blue Cotinga, a White-tipped Sicklebill feeding at eye-level heliconia flowers, six species of trogons and a fiesta of gaudy tanagers including Rufous-winged, Bay-headed, Emerald, Speckled, Black-and-yellow, Silver-throated, Golden-hooded, Crimson-backed and Flame-rumped. We had excellent luck finding antswarms this year, with Bicolored, Spotted and unbelievably colorful Ocellated Antbirds in attendance. We also managed to turn up a few rarities, such as the young Red-footed Booby, second-year Pomarine Jaeger on the Atlantic coast and three Kelp Gulls on the Pacific coast. This tour continues to impress me, as the diversity and richness of the region, paired with ease of access and the comforts of the lodgings, makes for a truly wonderful experience.

Our first three days in and around the Canopy Tower provided a wonderful introduction to the birds of central Panama. Perched atop a hill adjacent to the canal, the tower's top deck affords spectacular vistas of the forest around the tower, and of the canal itself. Seeing canopy species such as Green Shrike-Vireo and Brown-capped Tyrannulet at eye level is very satisfying. This year we were hampered somewhat by low-level fog which obscured the view from the tower on several mornings. Nevertheless, we had fantastic views of a close female Blue Cotinga, good studies of flyover Short-tailed and Zone-tailed Hawks, Fasciated Antshrike and a very obliging Black-breasted Puffbird from the comforts of the top of the tower. The hummingbird feeders at the tower's base played host to six species of hummingbirds, including impressive numbers of White-necked Jacobins, Violet-bellied and Blue-chested Hummingbirds. Nearby fruiting trees held stunning male Blue-crowned Manakins and several improbably-coloured Golden-hooded Tanagers. The fun was not limited to birds, with views of White-nosed Coati and Brown-throated Three-toed Sloth just along the entrance road to the tower. All this without even walking more than a few dozen feet!

The forests and small wetlands close to the tower occupied two full days of our tour, with over 150 species found within just a mile of the tower. The road below the tower down Semaphore Hill passes through some forest with light understory, providing an excellent opportunity for encountering flocks with Dot-winged, Checker-throated and White-flanked Antwrens, Western Slaty-Antshrike, the secretive Black-faced Antthrush and Rufous and Broad-billed Motmots. On one afternoon we visited a nearby house where regularly stocked fruit feeders attract a riot of colourful birds. We watched, entranced, at the parade of colour as Crimson-backed, Blue-gray and Flame-rumped Tanagers competed with Green and Red-legged Honeycreepers and Whooping Motmots for best in show while Central American Agoutis and Gray-headed Chachalacas tried to see who could devour the most bananas per minute. Another afternoon found us wandering along the margins of a marsh making careful studies of the similar Social and Rusty-margined Flycatchers and Greater and Lesser Kiskadees, and enjoying lengthy looks at a family of White-throated Crakes foraging in the open near our feet. A nice trail near the bottom of the hill was productive this year, as we found a very obliging antswarm with a pair of scarce Ruddy Woodcreepers and excellent views of Gray-headed Tanagers. A night drive near the tower produced a responsive Common Potoo and at a flowering Balsa tree a wealth of nocturnal mammals including an Olingo, several Common Opossums and a dainty Central American Woolly Opossum.

We also spent a full day on the world-famous Pipeline Road. This cross-country dirt road passes through an extensive swath of Soberiana National Park and provides unparalleled access to high-quality forest and almost 400 species of birds. Several Northern Barred, Plain-brown and Cocoa Woodcreepers were found foraging over an antswarm, affording excellent studies of these similar species. Just before we decided to set up our picnic lunch we received a call that a pair of Rufous-vented Ground-Cuckoos had been spotted at an antswarm near the newly constructed Rainforest

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Discovery Center and so, naturally, the chase was on. We ate lunch under the shade of the center's observation deck and were soon overwhelmed by the number and diversity of hummingbirds coming into the feeders. With the exception of several Violet-crowned Woodnymphs, the species here were similar to those at the tower, but having well over a hundred individuals swirling around us was mesmerizing. After lunch, we set off down the center's loop trail and were soon distracted by an antswarm with more Bicolored, Spotted, Chestnut-backed and Ocellated Antbirds. For a solid 20 minutes we watched as these birds fed on or near the forest floor all around us. Reluctantly we pulled ourselves away and continued down the trail, only to be sidetracked again by a pair of the peculiar Brownish Twistwing which we were able to observe performing their namesake behavior. Soon after, we were elated to locate another antswarm, this time attended by a Ground-Cuckoo, foraging just a few feet off the trail. The Ground-Cuckoos of South and southern Central America are a nearly mythical group of birds. Watching this nearly 18-inch-long bird, with an erectile crest, huge yellow bill, purplish back and violaceous tail, as it scampered around after grasshoppers surely counts as a highlight for anyone's neotropical birding resume. After this incredible experience with one of the continent's most elusive birds we happily retired to the Tower for dinner.

During our week at the Canopy Tower we made two day-long trips afield in order to sample some of central Panama's other available habitats. Our trip to the north coast of the Canal Zone never fails to entertain, and this year was no exception. In the early dawn light we sat along a roadside edge and watched as dozens of species began to visit a huge fig tree that was covered in fruit. In less than an hour we had a flock of Spot-crowned Barbets, two male Blue Cotingas, great views of White-headed Wren, several Short-billed Pigeons, a pair of Purple-throated Fruitcrows and hordes of Lemon-rumped Tanagers, toucans and aracarís! After this show we walked slowly down the road pausing to soak in new birds at an impressive pace. At one particularly productive stop we marveled at a pair of the diminutive and incredibly colourful Pacific Antwrens as they foraged in a weedy thicket, while Scrub Greenlets, Plain Wren and Pied Puffbird were spotted nearly simultaneously, making it hard to decide just where to look first! Enroute to our lunch stop we visited a thick mangrove forest on the coast, where we found a cooperative male Black-tailed Trogon, and a pair of Streak-headed Woodcreepers. Even lunch proved eventful, as Fort Lorenzo held two surprise birds for us. While scanning the ocean below the fort we noticed a flock of foraging terns feeding in the mouth of the Chagres River. We were not the only ones to notice the flock, as within 20 minutes both a young Red-footed Booby, and a second-year Pomarine Jaeger came in to investigate the activity. Wintering Pomarine Jaegers are regularly encountered offshore in Panamanian waters but rarely seen from land, and the booby was wholly unexpected. We capped off a delightful day along the coast with a drive through the giant locks at the Atlantic end of the canal and a brief stop to look at some roosting Western Night Monkeys before boarding a train bound for Panama City. The transcontinental train ride affords a unique look into the flooded valleys and small islets created by the canal project and also provided views of several of Snail Kites, feeding along the tracks on the largely introduced Apple Snails that have colonized the canal's lakes.

The day trip to Cerro Azul and Cerro Jefe provided us with our first taste of the highland/foothill forests of central Panama. A private house, once owned by the president of Panama, gave us access to an extensively planted garden laden with flowers and fruiting trees. Here we enjoyed several new species of hummingbirds, including the charming Violet-headed and the impressive Green Hermit. The range-restricted Violet-capped Hummingbird was a crowd pleaser, but the star of the show was a delicate female Green Thorntail feeding in a large patch of sunflowers just down the road. Vying for our attentions here were several exquisite tanagers that were visiting a fruiting tree, including Emerald, Rufous-winged and Bay-headed. A short walk down the hill below Cerro Azul through a fairly glamorous neighborhood allowed us to investigate a stand of flowering trees where another gorgeous tanager awaited us in the form of a foraging flock of Speckled Tanagers. The foothill forests held several small mixed flocks, with many migrant warblers, vireos and tanagers from the north joining birds such as Scale-crested Pygmy-Tyrant, Olive-striped Flycatcher and Shining Honeycreeper. On the way home we stopped along the coast at Panama City and

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marveled at the huge numbers of migrant and wintering shorebirds that were feeding along the mudflats. Perhaps due to the influences of La Niña we found three Kelp Gulls (typically restricted to further south along South America's west coast) and a few Franklin's and Ring-billed Gulls amongst the throng of Laughing Gulls. Also present were impressive numbers of Marbled Godwit, Willet, both Yellowlegs, Black-bellied Plover and Short-billed Dowitcher. A small canal nearby held a cooperative Amazon Kingfisher, two Cocoi Herons, a flock of White Ibis and huge numbers of roosting Neotropic Cormorants.

On our last morning in the lowlands we again greeted the dawn atop Canopy Tower and then wandered along the Old Gamboa Road, which passes through patches of forest, ponds and open grassy areas. Here we enjoyed watching a nesting pair of Boat-billed Herons, duetting Rufous-and-White Wrens, a skulking Yellow-billed Cacique and a nice male Black-and-White Becard before packing up to head west to the Canopy Lodge.

Nestled in a forested valley just uphill from the picturesque town of Anton, and in the eastern edge of the Talamanca range that stretches westward into Costa Rica, the lodge offers a wealth of birds not accessible around the tower. The daily show at the fruit feeders just outside the dining hall is a treasure for the eyes, with dozens of colourful tanagers, including some normally restricted to the dense forest understory (like Dusky-faced and Red-crowned Ant-tanager), competing with Red-tailed Squirrels, honeycreepers and even Rufous Motmots and Collared Aracaris for the best pieces of banana. The cool air and light breeze of El Valle provided a welcome respite from the heat and humidity of the tower. We spent about two days birding various trails through drier vine forests, and very moist cloud forests around El Valle. The diversity of habitats leads to a corresponding diversity of birds, and we were thrilled to see species such as Green-crowned Brilliant, Blue Seedeater and Orange-bellied Trogons in the highland just a few miles away from where we could watch Lance-tailed Manakin, Rosy Thrush-Tanager and Rufous-and-white Wrens in the lowlands. The hardest decision here is often, where to next?

Our first morning at the lodge, we visited a nearby trail and were thrilled to encounter two of the signature species of El Valle. A small patch of flowering heliconias was visited by the bizarre White-tipped Sicklebill, whose supremely curved bill is adapted to the shape of the heliconias' flowers. Not five minutes afterwards we enjoyed views of a perched Tody Motmot, perhaps easier to see in Panama than anywhere else. Other highlights near the lodge included a surprise roosting Chuck-Will's-Widow, several wintering Golden-winged Warblers, a Buff-rumped Warbler, perched White Hawks and the scarce White-thighed Swallow. The next day we walked up Cerro Gaital, with new bird species coming rapidly. Mixed flocks abounded on the lower slopes, with the gaudy Silver-throated Tanager often in the lead. The bamboo near the top of the summit was in seed, and we managed to locate a small group of Blue Seedeaters feeding in the thick stands. Bird-of-the-day honors fell to a pretty Emerald (Blue-throated) Toucanet quietly sitting just overhead.

On a full day-trip from the lodge we visited the lush cloud forests well above El Valle. Here the orchids and bromeliads seemed to outweigh the trees, and the frequent rain and fog contributed to a markedly different avifauna than on the drier lower slopes. This year we were unlucky with the weather and forced to make small excursions in between bouts of rain (mornings are generally cloudy but fair here at this time of year). Walking along a recently paved road we found a host of special birds that occur mainly in the eastern sierra of Panama. Flocks of Common Bush-Tanagers often contained some of the more rare species such as the attractive Ochraceous Wren, gaudy Black-and-Yellow Tanager or charismatic Tufted Flycatcher. One of our party who elected to remain behind during one of our walks even managed a lengthy visit with a Black Guan foraging just above the van! We were happy to have excellent views of a close and fairly cooperative Black-crowned Antpitta this year, surely one of the most attractive species in Central America. The highland hummingbirds did not disappoint either with two Snowcaps, a scarce Brown Violetear, and a foraging Band-tailed Barbthroat. This highland forest is being rapidly cleared to make room for luxury homes, but there are still good tracts of forest remaining and I hope that we can continue to access quality habitat in the coming years.

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Another day-trip from the lodge found us in the Pacific lowland marshes and forests of coastal Coclé Province for our most diverse single day of the trip. The rice fields, agricultural areas, hedgerows and coastline here offer a wealth of species that we did not see anywhere else on the tour. Each participant came up with a different “bird of the day,” with Garden Emerald, Straight-billed Woodcreeper, Ferruginous Pygmy-Owl and Rufous-browed Peppershrike, all receiving mention. Of particular note was the staggering number of Little Blue Heron and Cattle Egrets present in the wet fields along the coast. Other highlights have to include the very striking Sapphire-throated Hummingbird, several coveys of Crested Bobwhite, a perched Brown-throated Parakeet and the diminutive Plain-breasted Ground-Dove. The dry savannah-like patches along the coast proved good for raptors as well, with Savannah, Roadside and Short-tailed Hawks, a pair of Aplomado Falcons, White-tailed Kite and Lesser Yellow-headed Vultures.

We capped the trip off with a short stroll around the hotel grounds of the Country Inn on Panama City’s Amador Causeway, where we found a cooperative Northern Scrub-Flycatcher, a group of foraging Yellow-bellied Seedeaters and a migrant Merlin. I want thank this year’s wonderful participants and our two local leaders, Carlos Bethancourt and Tino Sanchez, for making this a great tour to lead. I look forward to many more trips to this dynamic and rich country in the coming years.” – *Gavin Bieber*

Bird List:

Column A: Number of tours on which this species has been recorded

Column B: Number of days this species was seen on the last tour

Column C: The maximum daily count for this species on the last tour

H = Heard only; (H) = Mostly heard but some seen; N = Nesting activity observed

A		B	C		
3	Great Tinamou	3	1	H	<i>Tinamus major</i>
3	Little Tinamou	1	2	H	<i>Cypturellus soui</i>
1	Black Guan	1	1		<i>Chamaepetes unicolor</i>
3	Gray-headed Chachalaca	7	8		<i>Ortalis cinereicps</i>
2	Crested Bobwhite	1	12		<i>Colinus cristatus</i>
3	Black-bellied Whistling-Duck	3	20		<i>Dendrocygna autumnalis</i>
1	Muscovy Duck				<i>Cairina moschata</i>
1	Blue-winged Teal				<i>Anas discors</i>
1	Least Grebe	1	1		<i>Tachybaptus dominicus</i>
1	Pied-billed Grebe	1	1		<i>Podilymbus podiceps</i>
3	Brown Pelican	5	200		<i>Pelecanus occidentalis</i>
2	Blue-footed Booby	1	2		<i>Sula nebouxii</i>
1	Brown Booby	1	6		<i>Sula leucogaster</i>
1	Red-footed Booby	1	1		<i>Sula sula</i>
3	Neotropic Cormorant	4	300		<i>Phalacrocorax brasilianus</i>
2	Anhinga	3	1		<i>Anhinga anhinga</i>
3	Magnificent Frigatebird	8	100		<i>Fregata magnificens</i>
3	Rufescent Tiger-Heron	1	2		<i>Tigrisoma lineatum</i>
3	Boat-billed Heron	1	2	N	<i>Cochlearius cochlearius</i>
3	Black-crowned Night-Heron	2	3		<i>Nycticorax nycticorax</i>
3	Yellow-crowned Night-Heron	1	1		<i>Nyctanassa violacea</i>
3	Green Heron	3	2		<i>Butorides virescens</i>
1	Striated Heron	1	1		<i>Butorides striata</i>

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3	Cattle Egret	7	400		<i>Bubulcus ibis</i>
3	Great Blue Heron	4	6		<i>Ardea herodias</i>
2	Cocoi Heron	1	2		<i>Ardea cocoi</i>
3	Great Egret	6	200		<i>Ardea alba</i>
3	Tricolored Heron	3	6		<i>Egretta tricolor</i>
3	Snowy Egret	4	300		<i>Egretta thula</i>
3	Little Blue Heron	7	350		<i>Egretta caerulea</i>
2	White Ibis	3	4		<i>Eudocimus albus</i>
2	Wood Stork	1	52		<i>Mycteria americana</i>
3	Black Vulture	11	150		<i>Coragyps atratus</i>
3	Turkey Vulture	11	200		<i>Cathartes aura</i>
3	Lesser Yellow-headed Vulture	1	12		<i>Cathartes burrovianus</i>
2	King Vulture	2	2		<i>Sarcoramphus papa</i>
3	Osprey	7	4		<i>Pandion haliaetus</i>
3	Gray-headed Kite	2	2		<i>Leptodon cayanensis</i>
1	Pearl Kite				<i>Gampsonyx swainsonii</i>
3	White-tailed Kite	4	2		<i>Elanus leucurus</i>
3	Snail Kite	3	5		<i>Rostrhamus sociabilis</i>
3	Double-toothed Kite	1	1		<i>Harpagus bidentatus</i>
2	Plumbeous Kite	1	1		<i>Ictinia plumbea</i>
2	Tiny Hawk				<i>Accipiter superciliosus</i>
2	Crane Hawk	1	1		<i>Geranospiza caerulescens</i>
1	Barred Hawk				<i>Leucopternis princeps</i>
2	Semiplumbeous Hawk	1	1		<i>Leucopternis semiplumbeus</i>
2	White Hawk	3	2		<i>Leucopternis albicollis</i>
3	Common Black-Hawk	1	7		<i>Buteogallus anthracinus</i>
2	Great Black-Hawk	1	1		<i>Buteogallus urubitinga</i>
3	Savannah Hawk	3	4		<i>Buteogallus meridionalis</i>
3	Roadside Hawk	1	2		<i>Buteo magnirostris</i>
2	Gray Hawk				<i>Buteo nitidus</i>
3	Broad-winged Hawk	4	4		<i>Buteo platypterus</i>
3	Short-tailed Hawk	6	3		<i>Buteo brachyurus</i>
3	Zone-tailed Hawk	4	1		<i>Buteo albonotatus</i>
2	Black Hawk-Eagle				<i>Spizaetus tyrannus</i>
1	Laughing Falcon				<i>Herpetotheres cachinnans</i>
3	Collared Forest-Falcon	1	1	H	<i>Micrastur semitorquatus</i>
3	Crested Caracara	1	20		<i>Polyborus plancus</i>
3	Yellow-headed Caracara	7	10		<i>Milvago chimachima</i>
3	American Kestrel	1	4		<i>Falco sparverius</i>
3	Merlin	1	1		<i>Falco columbarius</i>
2	Bat Falcon				<i>Falco ruficularis</i>
3	Aplomado Falcon	1	2		<i>Falco femoralis</i>
3	Peregrine Falcon	2	2		<i>Falco peregrinus</i>
3	White-throated Crake	2	4		<i>Laterallus albigularis</i>
2	Gray-necked Wood-Rail	3	2		<i>Aramides cajanea</i>
2	Purple Gallinule	3	3		<i>Porphyrula martinica</i>
2	Common Moorhen	2	3		<i>Gallinula chloropus</i>
1	American Coot				<i>Fulica americana</i>
1	American Oystercatcher	2	2		<i>Haematopus palliatus</i>

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3	Black-necked Stilt	1	80	<i>Himantopus mexicanus</i>
3	Southern Lapwing	5	30	<i>Vanellus chilensis</i>
3	Black-bellied Plover	3	100	<i>Pluvialis squatarola</i>
2	Collared Plover			<i>Charadrius collaris</i>
2	Semipalmated Plover			<i>Charadrius semipalmatus</i>
1	Wilson's Plover			<i>Charadrius wilsonia</i>
2	Killdeer			<i>Charadrius vociferus</i>
3	Wattled Jacana	6	12	<i>Jacana jacana</i>
3	Short-billed Dowitcher	1	250	<i>Limnodromus griseus</i>
3	Marbled Godwit	1	100	<i>Limosa fedoa</i>
3	Whimbrel	3	20	<i>Numenius phaeopus</i>
1	Upland Sandpiper			<i>Bartramia longicauda</i>
3	Spotted Sandpiper	4	60	<i>Actitis macularius</i>
3	Greater Yellowlegs	2	12	<i>Tringa melanoleuca</i>
3	Willet	2	400	<i>Tringa semipalmatus</i>
2	Lesser Yellowlegs	1	20	<i>Tringa flavipes</i>
3	Solitary Sandpiper	1	3	<i>Tringa solitaria</i>
3	ruddy Turnstone	1	1	<i>Arenaria interpres</i>
3	Sanderling	1	7	<i>Calidris alba</i>
2	Semipalmated Sandpiper			<i>Calidris pusilla</i>
3	Western Sandpiper	1	1	<i>Calidris mauri</i>
3	Least Sandpiper	1	20	<i>Calidris minutilla</i>
1	Dunlin			<i>Calidris alpina</i>
3	Laughing Gull	4	800	<i>Leucophaeus atricilla</i>
1	Franklin's Gull	1	3	<i>Leucophaeus pipixcan</i>
2	Ring-billed Gull	1	8	<i>Larus delawarensis</i>
1	Kelp Gull	1	3	<i>Larus dominicanus</i>
1	Herring Gull			<i>Larus argentatus</i>
3	Gull-billed Tern	1	6	<i>Gelochelidon nilotica</i>
2	Caspian Tern			<i>Hydroprogne caspia</i>
1	Black Tern			<i>Chlidonias niger</i>
1	Common Tern	1	3	<i>Sterna hirundo</i>
1	Forster's Tern	1	2	<i>Sterna forsteri</i>
3	Elegant Tern	1	4	<i>Thalasseus elegans</i>
3	Royal Tern	4	15	<i>Thalasseus maxima</i>
3	Sandwich Tern	3	25	<i>Thalasseus sandvicensis</i>
1	Black Skimmer			<i>Rynchops niger</i>
1	Pomarine Jaeger	1	1	<i>Stercorarius pomarinus</i>
3	Rock Pigeon	3	60	<i>Columba livia</i>
3	Pale-vented Pigeon	7	30	<i>Patagioenas cayennensis</i>
3	Scaled Pigeon	3	15	<i>Patagioenas speciosa</i>
2	Short-billed Pigeon	1	5	<i>Patagioenas nigrirostris</i>
3	Plain-breasted Ground-Dove	1	1	<i>Columbina minuta</i>
3	Ruddy Ground-Dove	8	40	<i>Columbina talpacoti</i>
3	White-tipped Dove	7	4	<i>Leptotila verreauxi</i>
2	Gray-chested Dove	3	2	<i>Leptotila cassini</i>
1	Purplish-backed Quail-Dove			<i>Geotrygon lawrencii</i>
1	Ruddy Quail-Dove	1	1	<i>Geotrygon montana</i>
3	Brown-throated Parakeet	1	6	<i>Aratinga pertinax</i>

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3	Orange-chinned Parakeet	8	25		<i>Brotogeris jugularis</i>
1	Blue-fronted Parrotlet				<i>Touit dilectissimus</i>
3	Brown-hooded Parrot	1	7		<i>Pyrilia haematotis</i>
3	Blue-headed Parrot	4	10		<i>Pionus menstruus</i>
3	Red-lored Parrot	5	25		<i>Amazona autumnalis</i>
3	Yellow-crowned Parrot	1	1		<i>Amazona ochrocephala</i>
3	Mealy Parrot	2	1		<i>Amazona farinosa</i>
1	Yellow-billed Cuckoo				<i>Coccyzus americanus</i>
3	Squirrel Cuckoo	7	1		<i>Piaya cayana</i>
1	Striped Cuckoo				<i>Tapera naevia</i>
1	Rufous-vented Ground-Cuckoo				<i>Neomorphus geoffroyi</i>
3	Greater Ani	2	10		<i>Crotophaga major</i>
3	Smooth-billed Ani	6	24		<i>Crotophaga ani</i>
3	Groove-billed Ani	1	10		<i>Crotophaga sulcirostris</i>
1	Barn Owl	1	2		<i>Tyto alba</i>
3	Tropical Screech-Owl	1	1		<i>Megascops choliba</i>
2	Spectacled Owl				<i>Pulsatrix perspicillata</i>
2	Mottled Owl	1	1	H	<i>Ciccaba virgata</i>
2	Ferruginous Pygmy-Owl	1	1		<i>Glaucidium brasilianum</i>
3	Great Potoo	1	1		<i>Nyctibius grandis</i>
3	Common Potoo	1	1		<i>Nyctibius griseus</i>
1	Common Pauraque	2	1		<i>Nyctidromus albicollis</i>
1	Chuck-will's-widow	1	1		<i>Caprimulgus carolinensis</i>
3	White-collared Swift	4	20		<i>Streptoprocne zonaris</i>
3	Vaux's Swift	1	2		<i>Chaetura vauxi</i>
2	Chimney Swift	1	20		<i>Chaetura pelagica</i>
3	Short-tailed Swift	1	3		<i>Chaetura brachyura</i>
3	Band-rumped Swift	3	60		<i>Chaetura spinicaudus</i>
3	Lesser Swallow-tailed Swift	3	6		<i>Panyptila cayennensis</i>
3	White-necked Jacobin	6	20		<i>Florisuga mellivora</i>
3	White-tipped Sicklebill	1	1		<i>Eutoxeres aquila</i>
3	Rufous-breasted Hermit				<i>Glaucis hirsutus</i>
1	Band-tailed Barbthroat	1	1		<i>Threnetes ruckeri</i>
3	Green Hermit	3	2		<i>Phaethornis guy</i>
3	Long-billed Hermit	4	6		<i>Phaethornis longirostris</i>
3	Stripe-throated Hermit	2	2		<i>Phaethornis striigularis</i>
2	Brown Violetear	1	1		<i>Colibri delphinae</i>
2	Purple-crowned Fairy	3	2		<i>Heliophryx barroti</i>
2	Veraguan Mango				<i>Anthracothorax veraguensis</i>
2	Black-throated Mango	3	2		<i>Anthracothorax nigricollis</i>
2	Green Thorntail	1	1		<i>Discosura conversii</i>
2	Green-crowned Brilliant	2	1		<i>Heliodoxa jacula</i>
1	Long-billed Starthroat	1	1		<i>Helimaster longirostris</i>
2	Garden Emerald	1	3		<i>Chlorostilbon assimilis</i>
3	Violet-headed Hummingbird	2	5		<i>Klais guimeti</i>
3	Violet-crowned Woodnymph	6	5		<i>Thalurania columbica</i>
3	White-vented Plumeleteer	4	6		<i>Chalybura buffonii</i>
3	Bronze-tailed Plumeleteer	2	1		<i>Chalybura urochrysis</i>
3	Violet-capped Hummingbird	1	2		<i>Goldmania violiceps</i>

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3	Blue-chested Hummingbird	7	50	<i>Amazilia amabilis</i>
3	Snowy-bellied Hummingbird	5	6	<i>Amazilia edward</i>
3	Rufous-tailed Hummingbird	9	8	<i>Amazilia tzacatl</i>
3	Violet-bellied Hummingbird	5	30	<i>Damophila julie</i>
3	Sapphire-throated Hummingbird	1	5	<i>Lepidopyga coeruleogularis</i>
3	Snowcap	1	2	<i>Microchera albocoronata</i>
2	Purple-throated Mountain-Gem			<i>Lampornis calolaema</i>
3	White-tailed Trogon	2	6	<i>Trogon chionurus</i>
3	Gartered Trogon	4	2	<i>Trogon caligatus</i>
3	Orange-bellied Trogon	2	2	<i>Trogon aurantiiventris</i>
3	Black-throated Trogon	2	2	<i>Trogon rufus</i>
3	Black-tailed Trogon	1	1	<i>Trogon melanurus</i>
3	Slaty-tailed Trogon	4	4	<i>Trogon messena</i>
3	Tody Motmot	1	2	<i>Hylomanes momotula</i>
3	Broad-billed Motmot	3	3	<i>Electron platyrhynchum</i>
3	Rufous Motmot	7	6	<i>Baryphthengus martii</i>
3	Whooping Motmot	3	2	<i>Momotus subrufescens</i>
1	Great Jacamar			<i>Jacamerops aureus</i>
3	Ringed Kingfisher	1	1	<i>Megaceryle torquata</i>
1	Belted Kingfisher			<i>Megaceryle alcyon</i>
3	Amazon Kingfisher	4	2	<i>Chloroceryle amazona</i>
3	Green Kingfisher	2	2	<i>Chloroceryle americana</i>
2	American Pygmy Kingfisher	1	1	<i>Chloroceryle aenea</i>
2	White-necked Puffbird	2	1	<i>Notharchus hyperrhynchus</i>
3	Black-breasted Puffbird	1	1	<i>Notharchus pectoralis</i>
3	Pied Puffbird	1	1	<i>Notharchus tectus</i>
3	White-whiskered Puffbird	2	1	<i>Malacoptila panamensis</i>
3	Spot-crowned Barbet	1	4	<i>Capito maculicoronatus</i>
3	Emerald Toucanet	2	3	<i>Aulacorhynchus prasinus</i>
3	Collared Aracari	7	20	<i>Pteroglossus torquatus</i>
3	Keel-billed Toucan	9	20	<i>Ramphastos sulfuratus</i>
3	Chestnut-mandibled Toucan	2	15	<i>Ramphastos swainsonii</i>
1	Olivaceous Piculet			<i>Picumnus olivaceus</i>
3	Black-cheeked Woodpecker	2	4	<i>Melanerpes pucherani</i>
3	Red-crowned Woodpecker	10	6	<i>Melanerpes rubricapillus</i>
2	Stripe-cheeked Woodpecker	1	2	<i>Piculus callopterus</i>
3	Cinnamon Woodpecker	2	2	<i>Celeus loricatus</i>
3	Lineated Woodpecker	3	3	<i>Dryocopus lineatus</i>
3	Crimson-crested Woodpecker	2	1	<i>Campephilus melanoleucos</i>
3	Scaly-throated Leaf-tosser	1	1	H <i>Sclerurus guatemalensis</i>
3	Pale-breasted Spinetail	1	4	<i>Synallaxis albescens</i>
1	Red-faced Spinetail			<i>Cranioleuca erythropus</i>
2	Spotted Barbtail			<i>Premnoplex brunnescens</i>
3	Plain Xenops	5	1	<i>Xenops minutus</i>
3	Plain-brown Woodcreeper	3	5	<i>Dendrocincla fuliginosa</i>
1	Ruddy Woodcreeper	1	2	<i>Dendrocincla homochroa</i>
2	Olivaceous Woodcreeper	4	1	<i>Sittasomus griseicapillus</i>
3	Wedge-billed Woodcreeper	2	1	<i>Glyphorhynchus spirurus</i>
3	Northern Barred Woodcreeper	2	6	<i>Dendrocolapes sanctithomae</i>

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2	Straight-billed Woodcreeper	1	1	<i>Dendroplex picus</i>
3	Cocoa Woodcreeper	8	4	<i>Xiphorhynchus susurrans</i>
2	Black-striped Woodcreeper			<i>Xiphorhynchus lachrymosus</i>
3	Spotted Woodcreeper	2	4	<i>Xiphorhynchus erythropygius</i>
1	Streak-headed Woodcreeper	1	2	<i>Lepidocolaptes souleyetii</i>
1	Brown-billed Scythebill			<i>Campylorhamphus pusillus</i>
3	Fasciated Antshrike	4	2	<i>Cymbilaimus lineatus</i>
2	Great Antshrike	1	1	H <i>Taraba major</i>
3	Barred Antshrike	6	3	<i>Thamnophilus doliatus</i>
3	Western Slaty Antshrike	6	2	<i>Thamnophilus atrinucha</i>
3	Russet Antshrike			<i>Thamnistes anabatinus</i>
3	Plain Antwreos	1	6	<i>Dysithamnus mentalis</i>
3	Spot-crowned Antwreos	1	4	<i>Dysithamnus puncticeps</i>
1	Pacific Antwren	1	2	<i>Myrmotherula pacifica</i>
3	Checker-throated Antwren	4	6	<i>Myrmotherula fulviventris</i>
3	White-flanked Antwren	3	6	<i>Myrmotherula axillaris</i>
3	Slaty Antwren	1	4	<i>Myrmotherula schisticolor</i>
3	Dot-winged Antwren	2	6	<i>Microrhoptias quixensis</i>
3	Dusky Antbird	1	3	<i>Cercomacra tyrannina</i>
3	Jet Antbird	2	2	<i>Cercomacra nigricans</i>
3	White-bellied Antbird	3	2	<i>Myrmeciza longipes</i>
3	Chestnut-backed Antbird	4	5	<i>Myrmeciza exsul</i>
3	Dull-mantled Antbird	1	2	<i>Myrmeciza laemosticta</i>
3	Spotted Antbird	3	10	<i>Hylophylax naevoides</i>
3	Bicolored Antbird	2	8	<i>Gymnopithys leucaspis</i>
3	Ocellated Antbird	1	4	<i>Phaenostictus mcleannani</i>
3	Black-faced Antthrush	1	2	<i>Formicarius analis</i>
3	Streak-chested Antpitta	2	2	<i>Hylopezus perspicillatus</i>
2	Black-crowned Antpitta	1	2	<i>Pittasoma michleri</i>
2	Yellow-crowned Tyrannulet	2	2	<i>Tyrannulus elatus</i>
3	Forest Elaenia	1	1	<i>Myiopagis gaimardii</i>
2	Greenish Elaenia	1	2	<i>Myiopagis viridicata</i>
3	Yellow-bellied Elaenia	4	4	<i>Elaenia flavogaster</i>
1	Lesser Elaenia	1	1	<i>Elaenia chiriquensis</i>
3	Brown-capped Tyrannulet	3	2	<i>Ornithion brunneicapillus</i>
3	Southern Beardless-Tyrannulet	5	3	<i>Camptostoma obsoletum</i>
2	Mouse-colored Tyrannulet	1	1	<i>Phaeomyias murina</i>
2	Yellow Tyrannulet	3	2	<i>Capsiempis flaveola</i>
3	Paltry Tyrannulet	7	3	<i>Zimmerius vilissimus</i>
1	Yellow-green Tyrannulet			<i>Phylloscartes flavovirens</i>
1	Rufous-browed Tyrannulet			<i>Phylloscartes superciliaris</i>
3	Olive-striped Flycatcher	3	4	<i>Mionectes olivaceus</i>
3	Ochre-bellied Flycatcher	6	2	<i>Mionectes oleagineus</i>
2	Sepia-capped Flycatcher	1	3	<i>Leptopogon amaurocephalus</i>
3	Northern Scrub-Flycatcher	1	1	<i>Sublegatus arenarum</i>
2	Black-capped Pygmy-Tyrant			<i>Myiornis atricapillus</i>
3	Scale-crested Pygmy-Tyrant	2	3	<i>Lophotriccus pileatus</i>
2	Pale-eyed Pygmy-Tyrant			<i>Atlalotriccus pilaris</i>
3	Southern Bentbill	3	1	<i>Oncostoma olivaceum</i>

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2	Slate-headed Tody-Flycatcher				<i>Poecilotriccus sylvia</i>
3	Common Tody-Flycatcher	5	4		<i>Todirostrum cinereum</i>
2	Black-headed Tody-Flycatcher				<i>Todirostrum nigriceps</i>
3	Brownish Twistwing	1	3		<i>Cnipodectes subbrunneus</i>
3	Olivaceous Flatbill	2	2		<i>Rhynchocyclus olivaceus</i>
2	Yellow-olive Flycatcher				<i>Tomolmyias sulphurescens</i>
3	Yellow-margined Flycatcher	4	2		<i>Tolmomyias assimilis</i>
2	White-throated Spadebill				<i>Platyrrinchus mystaceus</i>
2	Golden-crowned Spadebill	1	1	H	<i>Platyrrinchus coronatus</i>
1	Royal Flycatcher				<i>Onychorhynchus coronatus</i>
3	Ruddy-tailed Flycatcher	6	2		<i>Terenotriccus erythrurus</i>
2	Black-tailed Flycatcher				<i>Myiobius atricaudus</i>
3	Bran-colored Flycatcher	1	1		<i>Myiophobus fasciatus</i>
3	Tufted Flycatcher	1	5		<i>Mitrephanes phaeocercus</i>
3	Acadian Flycatcher	2	2		<i>Empidonax virescens</i>
3	Olive-sided Flycatcher	2	1		<i>Contopus cooperi</i>
3	Eastern Wood-Pewee	8	4		<i>Contopus virens</i>
1	Tropical Pewee				<i>Contopus cinereus</i>
2	Black Phoebe				<i>Sayornis nigricans</i>
2	Long-tailed Tyrant	2	1		<i>Colonia colonus</i>
3	Bright-rumped Attila	2	1	H	<i>Attila spadiceus</i>
3	Rufous Mourner	1	1		<i>Rhytipterna holerythra</i>
3	Dusky-capped Flycatcher	7	3		<i>Myiarchus tuberculifer</i>
3	Panama Flycatcher	5	3		<i>Myiarchus panamensis</i>
3	Great Crested Flycatcher	4	3		<i>Myiarchus crinitus</i>
3	Lesser Kiskadee	4	2		<i>Pitangus lictor</i>
3	Great Kiskadee	10	10		<i>Pitangus sulphuratus</i>
3	Boat-billed Flycatcher	4	2		<i>Megarhynchus pitangua</i>
3	Rusty-margined Flycatcher	4	8		<i>Myiozetetes cayanensis</i>
3	Social Flycatcher	10	10		<i>Myiozetetes similis</i>
1	Gray-capped Flycatcher				<i>Myiozetetes granadensis</i>
3	Streaked Flycatcher	2	1		<i>Myiodynastes maculatus</i>
3	Tropical Kingbird	11	60		<i>Tyrannus melancholicus</i>
3	Gray Kingbird	1	2		<i>Tyrannus dominicensis</i>
3	Fork-tailed Flycatcher	7	30		<i>Tyrannus savana</i>
3	Blue Cotinga	2	2		<i>Cotinga nattererii</i>
3	Purple-throated Fruitcrow	2	2		<i>Querula purpurata</i>
3	Golden-collared Manakin	4	3		<i>Manacus vitellinus</i>
3	White-ruffed Manakin	3	6		<i>Corapipo leucorrhoa</i>
3	Lance-tailed Manakin	2	3		<i>Chiroxiphia lanceolata</i>
3	Blue-crowned Manakin	4	4		<i>Pipra coronata</i>
3	Red-capped Manakin	4	3		<i>Pipra mentalis</i>
2	Black-crowned Tityra	1	1		<i>Tityra inquisitor</i>
3	Masked Tityra	5	1		<i>Tityra semifasciata</i>
3	Thrush-like Schiffornis	2	2	H	<i>Schiffornis turdina</i>
2	Cinnamon Becard				<i>Pachyramphus cinnamomeus</i>
2	White-winged Becard	1	1		<i>Pachyramphus polychopterus</i>
3	Yellow-throated Vireo	6	1		<i>Vireo flavifrons</i>
2	Philadelphia Vireo	1	3		<i>Vireo philadelphicus</i>

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1	Red-eyed Vireo			<i>Vireo olivaceus</i>
3	Scrub Greenlet	3	5	<i>Hylophilus flavipes</i>
3	Golden-fronted Greenlet	2	2	<i>Hylophilus aurantiifrons</i>
3	Lesser Greenlet	5	4	<i>Hylophilus decurtatus</i>
3	Green Shrike-Vireo	2	3	<i>Vireolanius pulchellus</i>
3	Rufous-browed Peppershrike	1	1	<i>Cyclarhis gujanensis</i>
3	Black-chested Jay	4	8	<i>Cyanocorax affinis</i>
3	Gray-breasted Martin	8	40	<i>Progne chalybea</i>
2	Tree Swallow	1	1	<i>Tachycineta bicolor</i>
3	Mangrove Swallow	3	50	<i>Tachycineta albilinea</i>
2	White-thighed Swallow	1	2	<i>Neochelidon tibialis</i>
2	Northern Rough-winged Swallow	1	20	<i>Stelgidopteryx serripennis</i>
3	Southern Rough-winged Swallow	7	10	<i>Stelgidopteryx ruficollis</i>
1	Bank Swallow			<i>Riparia riparia</i>
3	Barn Swallow	8	200	<i>Hirundo rustica</i>
3	White-headed Wren	1	2	<i>Campylorhynchus albobrunneus</i>
3	Black-bellied Wren	1	2	<i>Thryothorus fasciatoventris</i>
3	Bay Wren	5	5	<i>Thryothorus nigricapillus</i>
3	Rufous-breasted Wren	2	4	<i>Thryothorus rutilus</i>
3	Rufous-and-white Wren	3	2	<i>Thryothorus rufalbus</i>
3	Buff-breasted Wren	4	3	<i>Thryothorus leucotis</i>
3	Plain Wren	2	1	<i>Thryothorus modestus</i>
3	House Wren	10	4	<i>Troglodytes aedon</i>
3	Ochraceous Wren	1	2	<i>Troglodytes ochraceus</i>
3	White-breasted Wood-Wren	3	1 (H)	<i>Henicorhina leucosticta</i>
3	Gray-breasted Wood-Wren	1	2	<i>Henicorhina leucophrys</i>
3	Scaly-breasted Wren	3	2 (H)	<i>Microcerculus marginatus</i>
3	Song Wren	2	4	<i>Cyphorhinus phaeocephalus</i>
3	Tawny-faced Gnatwren	1	3	<i>Microbates cinereiventris</i>
3	Long-billed Gnatwren	4	2	<i>Ramphocaenus melanurus</i>
3	Tropical Gnatcatcher	4	3	<i>Polioptila plumbea</i>
2	Orange-billed Nightingale-Thrush	1	1	<i>Catharus aurantiirostris</i>
2	Gray-cheeked Thrush			<i>Catharus minimus</i>
2	Swainson's Thrush	5	2	<i>Catharus ustulatus</i>
1	Wood Thrush	1	1	<i>Hylocichla mustelina</i>
2	Pale-vented Thrush	2	4	<i>Turdus obsoletus</i>
3	Clay-colored Robin	11	40	<i>Turdus grayi</i>
3	Tropical Mockingbird	6	15	<i>Mimus gilvus</i>
3	Golden-winged Warbler	3	2	<i>Vermivora chrysoptera</i>
1	Blue-winged Warbler			<i>Vermivora pinus</i>
3	Tennessee Warbler	10	20	<i>Oreothlypis peregrina</i>
3	Chestnut-sided Warbler	7	10	<i>Dendroica pensylvanica</i>
3	Yellow Warbler	7	10	<i>Dendroica petechia</i>
3	Bay-breasted Warbler	9	12	<i>Dendroica castanea</i>
3	Blackburnian Warbler	1	2	<i>Dendroica fusca</i>
1	Magnolia Warbler	4	2	<i>Dendroica magnolia</i>
1	Yellow-rumped Warbler			<i>Dendroica coronata</i>
2	Black-throated Green Warbler	2	3	<i>Dendroica virens</i>
3	American Redstart	4	2	<i>Setophaga ruticilla</i>

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3	Black-and-white Warbler	5	2	<i>Mniotilta varia</i>
3	Prothonotary Warbler	3	3	<i>Protonotaria citrea</i>
3	Northern Waterthrush	5	4	<i>Parkesia noveboracensis</i>
3	Kentucky Warbler	1	1	<i>Oporornis formosus</i>
3	Mourning Warbler	2	2	<i>Oporornis philadelphia</i>
1	Common Yellowthroat	1	1	<i>Geothlypis trichas</i>
3	Canada Warbler	2	2	<i>Wilsonia canadensis</i>
3	Rufous-capped Warbler	4	8	<i>Basileuterus rufifrons</i>
1	Buff-rumped Warbler	1	1	<i>Phaeothlypis fulvicauda</i>
3	Gray-headed Tanager	1	2	<i>Eucometis penicillata</i>
3	White-shouldered Tanager	6	8	<i>Tachyphonus luctuosus</i>
2	Tawny-crested Tanager			<i>Tachyphonus delatirii</i>
3	White-lined Tanager	2	2	<i>Tachyphonus rufus</i>
3	Crimson-backed Tanager	11	20	<i>Ramphocelus dimidiatus</i>
3	Flame (lemon)-rumped Tanager	7	25	<i>Ramphocelus flammigerus</i>
3	Blue-gray Tanager	10	60	<i>Thraupis episcopus</i>
3	Palm Tanager	10	20	<i>Thraupis palmarum</i>
3	Plain-colored Tanager	8	6	<i>Tangara inornata</i>
3	Emerald Tanager	1	4	<i>Tangara florida</i>
3	Silver-throated Tanager	2	12	<i>Tangara icterocephala</i>
3	Bay-headed Tanager	3	4	<i>Tangara gyrola</i>
3	Rufous-winged Tanager	1	2	<i>Tangara lavinia</i>
3	Golden-hooded Tanager	6	24	<i>Tangara larvata</i>
2	Speckled Tanager	1	5	<i>Tangara guttata</i>
2	Black-and-yellow Tanager	1	3	<i>Chrysothlypis chrysomelas</i>
2	Scarlet-thighed Dacnis			<i>Dacnis venusta</i>
3	Blue Dacnis	4	3	<i>Dacnis cayana</i>
3	Green Honeycreeper	4	4	<i>Chlorophanes spiza</i>
3	Shining Honeycreeper	4	4	<i>Cyanerpes lucides</i>
3	Red-legged Honeycreeper	4	5	<i>Cyanerpes cyaneus</i>
3	Bananaquit	7	16	<i>Coereba flaveola</i>
2	Slate-colored Grosbeak			<i>Saltator grossus</i>
3	Buff-throated Saltator	7	9	<i>Saltator maximus</i>
3	Black-headed Saltator	2	2	<i>Saltator atriceps</i>
3	Streaked Saltator	5	4	<i>Saltator striatipectus</i>
3	Common Bush-Tanager	2	20	<i>Chlorospingus ophthalmicus</i>
3	Dusky-faced Tanager	3	8	<i>Mitrospingus cassinii</i>
2	Rosy Thrush-Tanager	2	2 (H)	<i>Rhodinocichla rosea</i>
3	Yellow-faced Grassquit	4	20	<i>Tiaris olivacea</i>
2	Saffron Finch	2	20	<i>Sicalis flaveola</i>
3	Blue-black Grassquit	2	20	<i>Volatinia jacarina</i>
1	Slate-colored Seedeater			<i>Sporophila schistacea</i>
3	Variable Seedeater	10	30	<i>Sporophila aurita</i>
3	Yellow-bellied Seedeater	1	3	<i>Sporophila nigricollis</i>
1	Ruddy-breasted Seedeater			<i>Sporophila minuta</i>
2	Thick-billed Seed-Finch	2	8	<i>Oryzoborus funereus</i>
3	Chestnut-capped Brush-Finch	1	2	<i>Arremon brunneinucha</i>
3	Orange-billed Sparrow	2	2	<i>Arremon aurantiirostris</i>
3	Black-striped Sparrow	2	3	<i>Arremonops conirostris</i>

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3	Hepatic Tanager	2	4	<i>Piranga flava</i>
3	Summer Tanager	8	4	<i>Piranga rubra</i>
1	Scarlet Tanager	2	1	<i>Piranga olivacea</i>
3	Red-crowned Ant-Tanager	3	6	<i>Habia rubica</i>
3	Red-throated Ant-Tanager	4	6	<i>Habia fuscicauda</i>
2	Rose-breasted Grosbeak	2	2	<i>Pheucticus ludovicianus</i>
2	Black-faced Grosbeak	1	6	<i>Caryothraustes poliogaster</i>
2	Blue Seedeater	1	2	<i>Amaurospiza concolor</i>
3	Blue-black Grosbeak	1	1	<i>Cyanocompsa cyanoides</i>
1	Indigo Bunting			<i>Passerina cyanea</i>
3	Red-breasted Blackbird	2	4	<i>Sturnella militaris</i>
3	Eastern Meadowlark	1	10	<i>Sturnella magna</i>
3	Great-tailed Grackle	9	200	<i>Quiscalus mexicanus</i>
3	Orchard Oriole	2	1	<i>Icterus spurius</i>
3	Yellow-backed Oriole	1	3	<i>Icterus chrysater</i>
3	Yellow-tailed Oriole	2	2	<i>Icterus mesomelas</i>
3	Baltimore Oriole	4	15	<i>Icterus galbula</i>
3	Scarlet-rumped Cacique	5	16	<i>Cacicus uropygialis</i>
3	Yellow-rumped Cacique	2	10	<i>Cacicus cela</i>
3	Yellow-billed Cacique	1	1	<i>Amblycercus holosericeus</i>
2	Crested Oropendola	1	1	<i>Psarocolius decumanus</i>
3	Chestnut-headed Oropendola	6	20	<i>Psarocolius wagleri</i>
1	Montezuma Oropendola			<i>Psarocolius montezuma</i>
3	Yellow-crowned Euphonia	4	8	<i>Euphonia luteicapilla</i>
3	Thick-billed Euphonia	6	24	<i>Euphonia laniirostris</i>
3	Fulvous-vented Euphonia	2	12	<i>Euphonia fulvicrissa</i>
3	Tawny-capped Euphonia	5	4	<i>Euphonia annaea</i>
3	Lesser Goldfinch	3	6	<i>Spinus psaltria</i>
3	House Sparrow			<i>Passer domesticus</i>

Mammals:

3	Central American Woolly Opossum	1	x	<i>Caluromys derbianus</i>
2	Common Opossum	1	x	<i>Didelphis marsupialis</i>
3	Brown-throated Three-toed Sloth	9	x	<i>Bradypus variegatus</i>
3	Hoffmann's Two-toed Sloth	1	x	<i>Choloepus hoffmanni</i>
2	False Vampire Bat			<i>Vampyrum spectrum</i>
3	Orange Nectar-Bat	1	x	<i>Lonchophylla robusta</i>
2	Greater White-lined Bat	1	x	<i>Saccopteryx bilineata</i>
3	Geoffroy's Tamarin	3	x	<i>Saguninus geoffroyi</i>
2	White-faced Capuchin	2	x	<i>Cebus capucinus</i>
3	Mantled Howler Monkey	6	x	<i>Alouatta palliata</i>
1	Western Night Monkey	1	x	<i>Aotus zonalis</i>
1	Alfaro's Pygmy Squirrel			<i>Microsciurus alfari</i>
1	Western Pygmy Squirrel			<i>Microsciurus mimulus</i>
3	Variiegated Squirrel	6	x	<i>Sciurus variegatoides</i>
3	Red-tailed Squirrel	6	x	<i>Sciurus granatensis</i>
1	Rufous Tree-Rat	1	x	<i>Diplomys labialis</i>
1	Rothschild's Porcupine			<i>Coendou rothschildi</i>

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2	Capybara	1	x	<i>Hydrochaeris hydrochaeris</i>
3	Central American Agouti	6	x	<i>Dasyprocta punctata</i>
2	Forest Rabbit	3	x	<i>Sylvilagus brasiliensis</i>
3	White-nosed Coati	6	x	<i>Nasua narica</i>
1	Kinkajou			<i>Potos flavus</i>
1	Bushy-tailed Olingo	1	x	<i>Bassaricyon gabbii</i>

Amphibians and Reptiles

3	Cane Toad	2	x	<i>Bufo marinus</i>
3	Litter Toad	2	x	<i>Bufo marganifer</i>
1	Panama Toad			<i>Bufo signifer</i>
2	Red-webbed Treefrog	1	x	<i>Hyla rufitela</i>
3	Common Tink Frog	1	H	<i>Eleutherodactylus diastema</i>
1	Agua Buena Robber Frog			<i>Eleutherodactylus vocator</i>
3	Panama Foam Frog	1	N	<i>Leptodactylus insularum</i>
1	Brilliant Forest Frog		x	<i>Rana warszewitschii</i>
3	Common Rocket-Frog	1	H	<i>Colostethus flotator</i>
2	Tungara Frog	3	x	<i>Physalaemus pustulosus</i>
2	Boulenger's Treefrog	1	x	<i>Scinax boulengeri</i>
2	Black Wood Turtle	1	x	<i>Rhinoclemmys funerea</i>
2	Common Slider	2	x	<i>Trachemys scripta</i>
1	Spectacled Caiman			<i>Caiman crocodylus</i>
3	American Crocodile	1	x	<i>Crocodylus acutus</i>
2	Yellow-headed Gecko	2	x	<i>Gonatodes albigularis</i>
1	Water Anole			<i>Norops aquaticus</i>
1	Slender Anole			<i>Norops limifrons</i>
1	Giant Ameiva			<i>Ameiva ameiva</i>
3	Central American Ameiva	1	x	<i>Ameiva festiva</i>
3	Common Basilisk	2	x	<i>Basilliscus basilliscus</i>
2	Striped Basilisk	1	x	<i>Basilliscus vittatus</i>
3	Green Iguana	3	x	<i>Iguana iguana</i>
1	Black Spinytail Iguana			<i>Ctenosaura similis</i>
2	Boa Constrictor	1	x	<i>Boa constrictor</i>
1	Tiger Rat Snake	1	x	<i>Spilotes pullatus</i>
1	Plain Groundsnake			<i>Coniophanes fissidens</i>
1	Fire-bellied Snake			<i>Liophis epinephelus</i>
1	Coral Snake			<i>Micrurus sp.</i>

Butterflies:

1	Polydamus Swallowtail			<i>Battus polydamas</i>
1	Giant Swallowtail			<i>Papilio cressphontes</i>
3	Green-celled Cattleheart		x	<i>Parides childrenae</i>
2	Emerald-patched Cattleheart		x	<i>Parides sesotris</i>
1	Pink-checked Cattleheart			<i>Parides eurimedes</i>
1	Orange-barred Sulphur		x	<i>Phoebis philea</i>
1	Mimosa Yellow		x	<i>Eurema nise</i>
2	Apricot Sulphur			<i>Phoebus argante</i>
1	Togarna Stripestreak			<i>Arawacus togarna</i>

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2	Purple Washed Eyemark	x	<i>Mesosemia lamachus</i>
1	Blue-winged Sheenmark		<i>Eurybia lycisca</i>
1	Cherry-bordered Metalmark		<i>Lyropteryx lyra</i>
1	Blue-and-Yellow Beautymark		<i>Ancyluris inca</i>
1	Two-orange Metalmark		<i>Notheme erota</i>
1	Orange-bellied Metalmark		<i>Brachyglenis dodone</i>
1	Yellowmark from Maria		<i>Baeotis sp?</i>
1	White-spotted Tanmark		<i>Emesis aurimna</i>
1	Orange-striped Tanmark		<i>Emesis cypria</i>
1	Forest Giant Owl	x	<i>Caligo eurilochus</i>
2	Blue-and-White Heliconian		<i>Heliconius sapho</i>
2	Cyndo Heliconian	x	<i>Heliconius cydno</i>
1	Sara Heliconian		<i>Heliconius sara</i>
3	Erato Heliconian	x	<i>Heliconius erato</i>
2	Banded Orange Heliconian		<i>Heliconius phaetusa</i>
3	Julia	x	<i>Dryas julia</i>
2	Malachite		<i>Siproeta stelenes</i>
1	Blackened Bluewing		<i>Myscelia cyanthe</i>
2	Amberwing sp.		<i>Methona sp.</i>
1	White Peacock		<i>Anartia jatrophae</i>
3	Banded Peacock	x	<i>Anartia fatima</i>
3	Rusty-tipped Page	x	<i>Siproeta epaphus</i>
1	Soldier		<i>Danaus eresimus</i>
2	Monarch	x	<i>Danaus plexippus</i>
1	Smooth-banded Sister		<i>Adelpha cytherea</i>
1	Holographic Morpho		<i>Morpho cypris</i>
3	Blue Morpho	x	<i>Morpho menelaus amathonte</i>
3	Common Morpho	x	<i>Morpho helenor</i>
2	White Morpho	x	<i>Morpho polyphemus</i>
1	Dirce's Beauty	x	<i>Colobura dirce</i>
1	Black-bordered Tegosa	x	<i>Tegosa anieta</i>
3	Pink-tipped Satyr	x	<i>Cithaerias menander</i>
2	Helvina Satyr	x	<i>Pierella helvina</i>
3	Two-barred Flasher	x	<i>Astraptus fulgerator</i>
1	Frosted Flasher	x	<i>Astraptus alardus</i>
2	Brown Longtail	x	<i>Urbanus procne</i>
2	Tropical Checkered Skipper	x	<i>Pyrgus oileus</i>