

# Costa Rica

## *Motmots & Manakins*

### A Greentours Tour Report

14<sup>th</sup> February – 3<sup>rd</sup> March 2019

Led by Chris Gardner

#### **Day 1      To San Jose**

The journey...

#### **Day 2      Buena Vista**

The early morning birding was very productive as faces were put to the many new and exotic sounds. First up were Great-tailed Grackle, Groove-billed Ani and Melodius Blackbird followed by two lovely Turquoise-browed Motmots. Handsome White-crested Magpie-Jays were seen and then a juvenile Northern Jacana, very close Snowy Egret and Least Grebe were in the pond before the call of a Black-throated Trogon lured us away. We struggled to get good views of the bird or rather birds as there seemed to be several, chasing each other through the trees. Instead, we settled for great views of a White-fronted Parrot feeding its well-grown youngster and then excellent views of two Pale-billed Woodpeckers, one with a huge grub in its beak. A Keel-billed Toucan glided across somehow balancing its outsize beak and then a second was seen preening. Good views were had of Crested Guan too, along with Social Flycatcher, Great Kiskadee, White-winged Dove and Short-billed Pigeon.

The wildlife didn't let up after breakfast either with great views of a Blue-crowned Motmot as we set off. Inside the mature dry forest there were impressive strangler figs and then as we walked a trail some good butterflies, starting with Malachite along with *Emesis aurimna* (White-spotted Metalmark). Birdlife continued well with superb views of a calling male Slaty-tailed Trogon, a Streak-headed Woodcreeper, Western Tanager and then Long-tailed Manakins. More Malachites followed, two Central American Agoutis and there was a Cattleheart too, before we reached the hanging bridges. Though it was a little quiet up here it was still interesting to see the forest from this perspective and we did see a Squirrel Cuckoo, a fast flying *Prepona omphale* and a very close male Mantled Howler. There was time for another section of trail. We had perfect views of a male Black-throated Trogon first of all and then in the forest a lovely little metalmark *Calephelis sp.* was seen and then a flock of Groove-billed Anis could be seen hopping about the leaf litter. They were working an army ant swarm and it was fascinating to watch them carefully feeding, seldom squabbling amongst themselves. Three Rufous Woodcreepers and a larger Northern Barred Woodcreeper also arrived and we had amazing close views of the former just a few feet away. Before we left two Grey-hooded Tanagers put in an appearance.

We enjoyed a siesta after lunch and then in the mid-afternoon set off again. Our first good find was a big owl butterfly *Caligo memnon* perched obligingly on a trunk. Further on and we found first a female and then two male Great Curassows in the trees with a Crested Guan. Two Keel-billed Toucans also arrived at the same time. Taking the hanging bridges in reverse we found an *Opsiphanes* butterfly settled on a trunk and we picked up Brown-crested Flycatcher and Philadelphia Vireo. Taking a different path back there was a Rufous-cheeked Warbler and then what sounded like a real gang of Long-tailed Manakins in the undergrowth. A couple of males were seen, but they never really showed well despite their number. Banded Wrens were also seen too. Star turn was probably the Green Tree Anole we got a great look at low on a trunk. We waited until it got a bit dimmer in the hope of seeing more owl butterflies, but although one flew through it seemed a better idea to head for the sunset bar. On the way, there were White-fronted Parrots and then a stunning view of a calling Turquoise-browed Motmot to complete the day.

### Day 3 Buena Vista & Las Heliconias

We began the day in an area of pasture and tall trees not far from the lodge. Close to some grazing cows was a pair of handsome Double-striped Thick-knees, moving carefully about the field. Noisy parrots arrived with Red-lored and White-fronted seen as well as much smaller Orange-chinned Parakeets. Roadside flowers attracted a Steely-vented Hummingbird, Keel-billed Toucans showed well, Hoffman's Woodpeckers were numerous and there was a bright orange male Northern Oriole in the canopy of a large tree. Moving a bit farther down another area had several Blue Grosbeak, the male a stunning rich blue. A covey of Crested Bobwhites exploded out of the field, but after a while they crept back in and we good views of these attractively marked birds. There was a distant White-tailed Kite and Striped-headed Sparrows were feeding around us as we watched. Moving a bit farther down the road the sun shone perfectly on a Turquoise-browed Motmot.

There was time for a quick spin around the woods before we left (hoping to see Long-tailed Manakins better). Just inside the forest, a Brown Rat Snake was seen fairly well sliding across the leaf litter. Activity was a little subdued until we reached the road and saw a Thoas Swallowtail and White-nosed Coati. Then Rufous-cheeked Warblers were seen and a solitary Mantled Howler. The view of the volcano was still clear and the weather calm.

Loaded up, we set off for our next location seeing a few well-marked Black Spiny Iguanas as we drove along. Our route took us through typical Guanacaste scenery with broad trees and pasture. There were stands of pink *Tabebuia rosea* and occasional yellow species as we went, eventually crossing the continental divide at Volcan Tenorio. Now the landscape was greener and the vegetation much lusher with lots of bromeliads, arums and ferns adorning the trees. Arriving at the lodge butterflies were much in evidence with large *Phoebis* flying about and many smaller species inside the dining room. A White-nosed Coati was about and he came to the window during lunch.

Compared to the morning, the afternoon session was quiet, though we did see a fine metalmark, *Heliconius cydno* and a local lad pointed out Hoffmann's Two-toed Sloth asleep on a high branch. Then, we saw two Mantled Howlers feeding before reaching the main bridge. From the central platform, there were superb views of the canopy and just below us Vicky spotted a lovely *Callicore lyca*. It frequently flew out to chase off other insects including a long reddish damselfly. Big white swallowtails *Eurytides protesilaus* tantalised us as they flew through the canopy but there was little

else today. The walk back produced some interesting flora but everything else seemed to have gone to bed early.

Jerry, Vicky and I went out for a nightwalk after dinner and during the course of two hours we saw a superb array of nocturnal life, including an amazing six species of snake! Everything began fairly slowly with a few Masked Tree Frogs, a Rhinoceros Katydid and then a Leopard Frog, but when we entered the forest proper things picked up with Pygmy Rain Frog, Bransford's Litter Frog, followed by a colourful Central American Coral Snake. Juvenile Northern Cat-eyed Snake and Blunt-headed Vine Snake followed, then a very slender ground snake (impossible to really determine without capture and examination). In between all of these of course was a rich selection of mini-beasts from wandering spiders and whip scorpions to crickets and cockroaches. Then a stunning large grey leaf-mimic mantis was found roosting under a leaf. The handsome but deadly Eyelash Pit-Viper was next posing perfectly on a leaf beside the path. It was marked with red patches underneath and not much further on a similarly marked Lichen-coloured Snail-eating Snake was seen near a Broad-headed Rain Frog. Another frog *Smilisca puma* was seen as a Crested Owl rumbled in the background, and then a lovely roosting *Heliconius cydno* and a Malachite completed a rich evening in the woods.

#### **Day 4      Las Heliconias and to Cano Negro**

A fine clear dawn with pinkish clouds above the rounded bulk of Volcan Miravalles. Hepatic Tanager and Chestnut-sided Warbler were about first thing and as we looked around the expansive view several Keel-billed and Chestnut-mandible Toucans flew across and/or were seen perched nearby. Two Crested Guans were fairly unconcerned by us as we walked down the road, barely hopping onto the next branch. We had decent views of White-breasted Wood-Wren and also found Dusky-capped Flycatcher, Black-cheeked Woodpecker and two or three White-faced Capuchins. Back at the freshly brewed coffee we watched the still bare feeders attract some hopeful wildlife with first great views of a Variegated Squirrel and then Northern Oriole and a few Yellow-throated Euphonias. A couple of Golden-hooded Tanagers were seen feeding just outside the restaurant.

It was warming up and various species of sulphur (*Phoebis*) were on the wing. Entering the forest we wandered along the ridge and the sound of bird wings drew attention to a diminutive Tody Motmot only a few feet away. A tricky bird to find. From the main walkway, a *Heliconius hecalesia* came in for a close look and the lovely *Eurytides protesilaus* were commonly flying fast across the canopy. *Heliconius cydno* was also commonly seen. Loud crashing drew our attention to the further trees and we soon found a few Central American Spider Monkeys. To our delight they moved straight across to the central tree where we were standing and we superb views of them acrobatically swinging or leaping through the trees, stopping to feed and have a good look at us. After such a show we walked down seeing Scale-crested Pygmy-Tyrant and a clearwing moth on the way. Various *Phoebis* and related *Anteos chlorinde* were busy in the gardens with an assortment of skippers including a longwing.

After lunch, we drove down and across the agricultural belt with many pineapple and cassava fields and teak plantation to the extensive wetland at Cano Negro. It was quite warm.

## **Day 5      Cano Negro and to Laguna del Lagartos**

Our boat trip was at dawn. Setting off across the calm waters the wildlife was immediately (and constantly) around us. A large flock of Crimson-fronted Parakeets was feeding in a flowering tree and below these was a Prothonotary Warbler, surely the loveliest of all North American warblers, a delightful combination of egg-yolk yellow, grey and olive-green. A Ringed Kingfisher landed above and posed well and kingfishers were ever present with many vocal Amazon Kingfisher flying across the river during the trip. Less common were Green Kingfisher and we saw just one diminutive American Pygmy Kingfisher early on. Northern Jacanas and a colourful Purple Gallinule along with many an Anhinga drying its wings. We were beckoned over to an overhanging tree where a cuddly Northern Tamandua was on a branch seemingly trying to go to sleep, but we managed to see the whole animal. Prehistoric-looking Green Basilisks were seen a few times and their similar cousins, Green Iguanas lounged on tree tops in the sun. The most numerous reptile though was the Spectacled Caiman with dozens of these scattered along the banks in an array of sizes. Our guide, Jimmy, then aced a Sungrebe, a rather delicate little water bird that fed quietly near the bank. The fine vermiculation of Bare-throated Tiger-heron were easily visible on one bird which allowed us to approach within a few feet of it. A nearby shrub had Boat-billed Heron and Grey-necked Wood-rail beneath it. Reaching a large lagoon, we got very close views of a handsome Black-collared Hawk and then scanning across the fast-drying marshes there were many Black-winged Stilts, a few Blue-winged Teal, Greater and Lesser Yellowlegs, flocks of Least Sandpipers, Tricoloured and Little Blue Herons, Green and Glossy Ibis and a lone Wood Stork as well as many caimans lurking in the shallows. Then six huge American Pelicans cruised across the marsh and landed conveniently enough in a 'scopable' lagoon. A flock of White Ibises flew over our heads just before we left too. Continuing along the main channel there were increasing numbers of Common Sliders lining floating logs or piled up on the banks. A Greyish Saltator sang sweetly as we went along. Turning around we stopped on the way back for more kingfishers, basilisks and then a juvenile tiger-heron with a large frog in its beak. It had been a superb trip with much more seen than I've included here.

The afternoon was essentially a transfer from one lowland site to the next, passing from the drier to the wetter. We saw a Golden-olive Woodpecker on a gate post, into which it had excavated a nest hole. Most of the lagoons were quite dry so our next stop was to stretch our legs and look at the large Green Iguanas that lounged about near a café. As we rumbled closer to our lodge there was a Laughing Falcon perched on a tree stump and then four Great Green Macaws flew across. Then shortly before arriving two superb King Vultures were seen well.

Pauraques were calling loudly in the night.

## **Day 6      Laguna del Lagartos**

The morning got off to a quick-fire start with various birds feeding on a large flowering tree including Northern and Black-cowled Orioles, White-crowned Parrots, Red-legged Honeycreeper and a pair of Pale-billed Woodpeckers. Over by the banana feeders a gang of Brown-hooded Parrots was gathering in anticipation and they were quickly on to the fresh fruits along with Montezuma's Oropendula. During the course of the next hour various other birds put in an appearance with Black-cheeked and Chestnut-coloured Woodpeckers, Golden-hooded, Blue-grey, Summer,

Passerini's and Palm Tanagers, Olive-backed Euphonias and then the heavy brigade arrived in the form of two Chestnut-mandibled Toucans. As we sat for breakfast these were replaced by half a dozen Collared Aracari's and it was indeed impossible to sit for the meal without dashing off to look at something else new.

The post breakfast forest walk was more about the little things, though the first wildlife we saw was a Great Tinamou. There were various butterflies such as pretty *Cissia jesia*, its larger cousin *Cissia confuse*, plentiful Field's Groundstreaks, iridescent blue *Mesosemia monachus* and a fly-by of a stunning Blue Morpho. A fine forest dragonfly was photographed and as we walked we found several very cute little Strawberry Poison Frogs. Ground Anoles were quite numerous and there was beautifully camouflaged juvenile Pug-nosed Anole perched on a tree buttress. Birdwise it was quiet although we did see a couple of Western Slaty Antshrikes. However, nearing the lodge loud squawks drew our attention to two Great Green Macaws. Unfortunately, they promptly flew off, but not long after we arrived back they flew into the large almendra tree in the car park and we had very good views of these richly coloured birds through the telescope. Enjoying a post walk coffee there were Red-legged and Green Honeycreepers feeding on the bananas.

I took a short walk in the early afternoon to look for butterflies finding a Variegated Skipper and various satyrs. There was also a family of a dozen coatis rummaging in the undergrowth.

However, the group walk was unusually quiet, no doubt because of the El Niño enforced drought that had clearly had an effect on the forest. Whilst satyrs and hairstreaks were common, there was little else except for another Bullet Ant, a Strawberry Poison Frog and two species of dragonfly in the open areas. A Buff-throated Saltator perched in a roadside tree as we neared the lodge.

## Day 7      Laguna del Lagartos

Morning birding in the grounds gave us a Cocoa Woodcreeper and a Mealy Parrot perched quietly in a tree as its noisier Red-lore cousins screeched overhead. Down by the lake four Grey-necked Wood-rails were feeding around the compost heap, which also attracted a female Great Curassow. Looking along the lake there were also four Green Ibises. The feeders were busy as ever with Brown-hooded Parrots, Collared Aracaris and Montezuma's Oropendulas.

The forest walk proved to be diverse and interesting with a steady stream of butterflies including a large Two-spotted Banded Skipper *Autochton bipunctatus*, *Cissia libye*, *Cissia jesia* and *Cissia similis*. A raucous call drew our attention to a Great Green Macaw and on an adjacent tree was a Pied Puffbird. Slender Anole was seen, Strawberry Poison Frogs were really rather plentiful and we had good views of a Great Tinamou on the path ahead. At one point a *Heliconius hecalesia* flew past, there was blue-suffused *Chloreuptychia arnaea* and a big *Catobelipa orgetorix* was flushed out. White-collared Manakins were calling and a couple of us saw these handsome little birds. Further along White-flanked Antwrens also put in a brief appearance. Fortunately, the various butterflies were generally more obliging. Reaching a clearing a superb *Morpho cypris* flew over and down the track, alternately shining metallic blue and gold. In the same clearing a wet patch was attended by a pink *Orthemis ferrugineus* and a much larger green dragonfly that didn't settle. Then nearing the lodge there was a Blue-winged Sheenmark *Eurybia lycisca* with iridescent blue hindwings, hiding beneath a leaf near a cluster of bristly caterpillars. Dainty *Mesosemia lamachus* completed the walk. Marie had stayed

behind to do her own thing and had seen Green and Striped Basilisks, three Great Curassow and lots of other birdlife around the gardens and feeders.

We had a relaxing afternoon, which required no more than sitting and watching many colourful birds and occasionally raising a camera to take a photo of them. The lodge manager has over the years created a bird garden and we began with fruit feeders, which attracted not just the familiar Blue-grey, Palm and Passerini's Tanagers, but Red-legged, Green and lovely Shining Honeycreepers, as well as Olive-backed and Yellow-throated Euphonias, a Buff-throated Saltator and Brown-headed Parrots. Another part of the garden was devoted to hummingbird feeders. We were treated to a concentrated display of White-necked Jacobin, Green-breasted Mango, Scaly-breasted and Rufous-tailed Hummingbirds with Red-footed Plumeteer and female Crowned Woodnymph thrown in (and the crowd of Brown-hooded Parrots behind us went almost unnoticed). We were treated to a constant flash and dazzle of iridescent plumage and frantic high-speed flying. Then as we were about to leave we had good views of the stunning purple-and-green male Crowned Woodnymph.

Jerry, Vicky and I returned to the same garden after dark to look at the brilliant colours of Red-eyed Tree Frogs that lived in the pond there. Along with these amazing amphibians there were Forest Toads and their much larger (notorious) cousins the Giant or Cane Toads. Further searching also revealed Common Rain Frog, whilst elsewhere in the garden there was a frog-eating Northern Cat-eyed Snake and a remarkable Saddle-back Moth caterpillar. A local man had also brought in a selection of other frog species from the area for us to see (they would be released back into the wild again afterwards). These included Masked Tree Frog, a wonderfully camouflaged Boulenger's Snouted Tree Frog and both Emerald and Spiny Glass Frogs, the latter amazing little translucent amphibians.

## **Day 8      To Rancho Naturalista**

Our morning wander about the garden and into the forest was a little quiet, though we did get great views of two female/juvenile Great Curassows. Brown-hooded Parrots and Keel-billed Toucans were crowding the feeders as we ate breakfast. Loaded up we said farewell and drove out swapping bumpy for smooth after an hour and then the lack of traffic meant we arrived a touch early for lunch. No matter appetites were switched on when we saw the fantastic selection of dishes to choose from. The roadworks we had been concerned about never materialised and we turned off and wound our way into the countryside. Here was a matrix of forest patches, pasture and sugar cane fields, liberally sprinkled with many orange-flowered *Erythrina poeppigii* trees. A final bumpy bit led us to our hotel, well positioned above the valley.

Some time was spent at the feeders and garden where plenty of hummingbirds were buzzing about including Crowned Woodnymph (Quality Street), Green-breasted Mango, White-necked Jacobin, Green Hermit and the impressive Violet Sabrewing. Orange-billed Sparrow was bathing and skulking under the bushes was an Ovenbird, Wood Thrush and male Red-throated Ant-Tanager. Red-tailed Squirrel came down and ran off with a whole banana, as big flocks of Crimson-fronted Parakeet swept past. Later in afternoon we descended to the bird bathing pools where Crowned Woodnymphs were dipping into the water. With patience, we saw several other tricky to see birds bathing including Zeledon's Antbird, Buff-throated Foliage-gleaner, tiny female Snowcap

(hummingbirds), Dull-mantled Antbird, Slaty-capped Flycatcher, Red-throated Ant-tanagers and rather obscured views of Tawny-throated Leaf-tosser. Mottled Owl was calling as I left.

## Day 9      Rancho Naturalista

Dusky Rice Rat was popping in and out of his hiding place for grain, Orange-billed Sparrow and Yellow-faced Grassquit were about along with the usual suite of hummers and Brown Jay. The morning walk had a good mixture of wildlife, beginning with Streak-headed Woodcreeper, Green Hermit and then a sleek black Tayra moved through the forest, reappearing on the track every so often. Moving up we could hear Broad-billed Motmot calling, but before we reached him there was a *Heliconius ismenius* and then a lovely Blushing Phantom (clearwing butterfly). We eventually located the motmot in a rather awkward spot on a high vine. His bigger cousin, Rufous Motmot was seen next, and with a bit of persistence we got decent views of it. The track led higher and we saw Spotted Woodcreeper and then just missed out on a couple of violet Quail-doves before reaching the viewpoint for a sit down. A Heart-spotted Heliconian breezed past. White-crowned Manakins could be heard but we were never quite in the right spot for them. No matter walking down we found a few more butterflies including a handsome White-rayed Metalmark *Hades noctula*. Reaching the orchard and pasture there were many open country butterflies with the ever abundant *Hermenptychia hermes* and banded *Cissia metaleuca*, Keel-billed Toucan and then on the forest edge a male Collared Trogon. Back inside the shade of the forest Jerry spotted a *Hypoleria* glasswing, an impossibly dainty creature. There were also a couple of lovely *Pierella helvetia* basking in light gaps and an obliging *Heliconius cydno* completed the morning.

The afternoon was spent in nearby areas, starting with a section of rocky river and clear water. We were after a special bird and as we wandered along searching Vicky found an *Arawacus togarna*. Then suddenly, a Sunbittern landed on the rocky shore. A second bird appeared not long after and over the next twenty minutes we were treated to excellent views of these sleek and elegant birds including their spectacular wing pattern when they occasionally flew. Walking back up there was a Black Phoebe on the rocks near a low waterfall. There was time to stop for another, very different, habitat of dense stands of wild ginger in a marshy patch. Common Tody-Flycatcher, Rufous-collared Sparrow and then Common Yellowthroat were seen before we finally located a White-throated Flycatcher. Back at the hotel there was a fast-flying Schuas' Scarlet-eye *Nascus phintias* on the purple *Stachytarpheta* flowers.

Jerry, Vicky and I went on a post dinner night walk finding some great mini-beasts from various sized, sinister-looking whip scorpions and long-legged crickets to an *Elleutherodactylus cerasinus* rain frog and an arachophobia-inducing orange-kneed tarantula. The latter we could see very well inside its burrow – an impressive critter. We then spent time watching the nectar-feeding bats come and go to the hummingbird feeders, swiftly swooping in and lapping up 'nectar'. What was more stimulating was feeling the draft of the bats wings as they whisked past us. Then we went back to the insect light finding an interesting selection of smaller moths as well as a superb Dobson Fly with outsize jaws.

## Day 10      Rancho Naturalista

The countrywide drought appeared to end during night, at least where we were. Heavy, drizzly mist smothered the hills and rather dented the birding in the early morning. We had hoped to see a Crested Owl at its roost, but the rain had sent it elsewhere. However, all was not lost and we had a productive morning below the lodge, seeing a flock of Grey-necked Chachalacas as we walked down, followed by Yellow-bellied Flycatcher, Blackburnian and Golden-winged Warblers. Our objective for the morning was to see the gorgeous Snowcap, a singular hummer, the male a rich blend of purple-pink with a brilliant white cap. He duly turned up and we had excellent views of him as well as Stripe-throated Hermit. Around the gardens we also picked up Common Tody-flycatcher, White-lined Tanager, Green Honeycreeper, Masked Tityra and had good views of Crimson-fronted Parakeets. Walking back up the rain kicked in and was to hang around for the rest of the day.

Despite the soggy conditions Alan, Marie and I explored the orchard in the afternoon and found Black-and-white Warbler, Tropical Parula, Yellow-throated Vireo, Sulphur-bellied Flycatcher and Roadside Hawk before the rain became too heavy. A soggy Variegated Squirrel seemed unconcerned about the rain back at the lodge.

## Day 11      Rancho Naturalista and to El Toucanet

The mist was not so thick as to prevent early birding and we had a productive time watching nearby fruiting trees with White-lined, Silvery-throated and Bay-headed Tanagers, brief views of a White-collared Manakin, Grey-necked Chachalacas and a Roadside Hawk. The weather continued to improve and our walk down from Cerro Silencio gave us both birds and butterflies. Tawny-capped Euphonia was singing and in the same flock was an Emerald Tanager and Blackburnian Warbler, whilst *Parides iphidamas*, Zebra Heliconian and various sulphurs were on the wing. As we walked there were Black Phoebes hawking insects and then a colony of Chestnut-headed Oropendulas flying back and forth to their pendant nests, that hung from tall trees. Their brood parasite, the sinister Giant Cowbird lurked nearby waiting to invade an unattended nest. We had reasonable views of a pair of Bay Wrens and butterflies continued with a lovely *Diaethria marchalii* that refused to leave us (me in particular) alone and stuck to our clothes taking salts. Further up a few lantana bushes were attracting some good species with the swallowtail *Papilio polyxenes*, Zebra Heliconian, *Heliconius cydno*, Julia Heliconian and Banded Peacock. Just beyond this we had Yellow-and-black Tanager and Plain Wren and there were more birds at the bridge with Masked Tityra and Yellow-throated Vireo.

Now we had to drive to our next hotel, but it was Sunday and the roads were kind to us with few delays behind slow trucks or buses to contend with. We passed through Cartago and then drove onto the shoulder of Cerro de la Muerta, before descending onto the drier Pacific slope. On arrival, we spent twenty minutes watching the hummingbird feeders and in that time saw seven species with Magnificent, Steely-vented and Stripe-tailed Hummingbirds, Violet Sabrewing, Plain-capped Starthroat, Green Violetear and Magenta-throated Woodstar, as well as an Indigo Bunting just down the track. There was also time to head out for an afternoon walk so we set off up the road seeing a pair of Slate-throated Redstarts and Yellowish Flycatcher once we had reached the lower cloud forest patch. Turning around we started back slowly checking the trees for something special.



Suddenly, a female Resplendent Quetzal swept across and perched in view. She moved after a while to feed on fruits and was then chased by a previously unseen long tailed male. We managed to relocate them and had good views of the male this time before he sped off again, flashing his dazzling plumage as he pursued the female further up the valley. Arriving back at the lodge Spotted Wood-quails were busy in the undergrowth and easily seen along with a Chestnut-capped Brush-finch.

## Day 12      Cerro de la Muerte

It seemed worth another look for the quetzals so we set off early to get to the site, getting superb views of a pair of Emerald Toucanets on the way. Vicky also found a stunning *Cyanopepla scintillans* moth with brilliant red and turquoise colours. However, there was no sign of the quetzals this morning, but besides the toucanets we also saw Red-faced Spinetails, Common Bush-tanager and a Hairy Woodpecker.

Heading off after breakfast we were delayed by a handsome male Flame-coloured Tanager. The road led up to lush cloud forest, the roadsides swathed in big-leaved *Gunnera insignis* and big bushes of yellow *Senecio*. As we drove the trees became shorter and dense stands of bamboo took over and eventually dominated the tracts of paramo that swathe the highest parts of the country. We drove up to 3460 metres and then set off to walk back down to the main road quickly seeing a pair of Volcano Juncos. The flora up here is also quite different with large shrubs of *Buddleja*, *Escallonia* and *Hypericum*, lots of wonderful clubmosses and peculiar tree parsnips *Myrrhidendron donnellsmithii*. Mists were swirling across and there was no chance of butterflies or reptiles, but birds did appear here and there with Volcano Hummingbird, Sooty-capped Bush-tanager, a male Slaty Flowerpiercer and a very close Sooty Thrush. There was plenty of action at our next stop, a roadside restaurant with hummer feeders that were bursting with Fiery-throated and Magnificent Hummingbirds, with at times eight or more of the former jostling for space. This is a stunning species and we had plenty of time to admire the stunning rainbow throat colours. Large-footed Finches hopped about the gardens.

After lunch, we drove to another quiet road, although by now the mist had become heavy drizzle. Nonetheless, we still managed to find a couple of bird flocks and see more Sooty-capped Bush-tanagers, Wilson's Warbler, Barred Becard, Collared Redstarts, fleeting Ruddy Treerunners and a lovely Flame-throated Warbler. Long-tailed Silky-flycatcher also put in a rather distant appearance. Fortunately, there was no rain back at the hotel so we had the chance to revisit the quetzal site again and this time we did locate a female bird which sat for an hour (until we left), occasionally preening and then turning around so we could see all of her plumage patterns. A pair of Chestnut-capped Brush-finches were feeding in the undergrowth when we got back.

## Day 13      El Toucanet and to Bosque del Cabo

We had a long transfer to the wildlife-rich Osa Peninsula this morning so it was an early breakfast and away by 6.30. There was just time to see Plain-capped Starthroat and Violet Sabrewing at the feeders. Unfortunately, the air taxi we normally used had gone bust, so it was a longer than usual transfer, which aside from two baño stops had us arriving at Puerto Jimenez in time for a final short

transfer to the lodge. This impressive rain forest lodge is set in extensive grounds and the entrance road is over a mile long.

We enjoyed a good lunch and then settled into the very pleasant ocean view cabins, some of us seeing Scarlet Macaws fly past and both Howler and Spider Monkeys. At 3 pm we set off for an afternoon wander around the grounds. There was a gathering of spider webs in which lay a number of colourful *Nephila clavipes* orb web spiders, the females completely dwarfing the tiny red males. A couple of Riverside Wrens were seen and then we tracked down a Red-crowned Woodpecker. Continuing along the drive there was a flock with Red-legged Honeycreepers, Golden-hooded and White-shouldered Tanagers and then in a neighbouring fruiting tree we found a stunning male Red-capped Manakin. There were also females of this species and Blue-crowned Manakin. The odd butterfly was seen with grass yellows, White and Banded Peacocks. Some striking orange flowers got our attention and then we noticed Turkey Vultures eating palm oil fruits as an Agouti ambled past. Moving to the coast view we saw a solitary White-faced Capuchin as at least five Mexican Cicadians flew past. A noise across the garden led us to two superb Scarlet Macaws, feeding at close quarters in a small tree. As we watched these a Fiery-billed Aracari appeared on top of a large fruiting fig and then two Chestnut-mandibled Toucans flew in above us. The macaws put on a decent showing before we headed back to ready for dinner with howlers roaring in the background.

## Day 14      Bosque del Cabo

As we met for morning coffee there was Red-legged Honeycreeper and a Pale-billed Woodpecker, as well as a couple of agoutis gnawing palm nuts, flying Scarlet Macaws and two Chestnut-mandibled Toucans being chased by angry Great Kiskadees (who were building a nest next to the restaurant). Walking through the gardens we could hear the loud calls of Red-lored Parrots and the chuckle of spider monkeys. The latter were found feeding on small figs and in the adjacent trees were Masked Tityra, Great Crested Flycatcher, Yellow Warbler and a tiny White-crested Coquette, which kept returning to the same hanging vine. Then we went to see the parrots and had excellent views of a pair preening and screeching to their neighbours.

Before the main morning walk a Crested Caracara was seen at very close quarters as it took care of a couple of dead land crabs for breakfast. Reaching the top of the rise there was a *Heliconius pachinus*, Chestnut-backed Antbird and a female Great Curassow, whose mate was booming in the distance. Along the trail we first saw the stunning red flowers of *Passiflora vitifolia* and these were actually quite widespread today. Blue Morphos were a frequent sight during the morning too, their electric blue uppersides flashing along the trail. A pair of handsome Black-striped Woodcreepers were seen along with a couple of Scarlet-rumped Caciques and then an entertaining troupe of spider monkeys came through. A peculiar bug with red paddle-like- structures on its abdomen flew in too. Butterflies were there but not settling much until we found a *Pierella helvetica* that posed well on the leaf litter. Grey-headed and White-shouldered Tanagers were seen before we reached the road. There were a few more butterflies as we went including a stunning *Morpho amathonte* that flicked its wings open a bit from time to time. Further along were *Heliconius pachinus*, *Iulia dryas* and *Mechanitis lysimnia*. Nearer the lodge we found *Heliconius hecale* too and Jerry and Vicky found a superb colony of *Achaea nesia* caterpillars (the bizarre larva much more interesting than the dull brown adults they turn into). An active Brown-throated Three-toed Sloth interrupted our siesta.

Right at the start of our afternoon wander we came across a pristine owl butterfly *Caligo eurilochus* that settled conveniently for photos. Crossing the suspension bridge, we reached the large tropical garden where there was no luck finding tent-making bats today. Elsewhere by the pool several species of dragonfly were active and after we'd circled the pond a troupe of spider monkeys came by athletically and then promptly crashed out in a large tree. Not far from these was a large troupe of howlers and we watched these for quite a while as animals of all ages moved through the trees, sometimes leaping gaps or swinging from prehensile tails. Close by a Lineated Woodpecker emerged from a hole in a dead tree (it later returned and showed well) and there was a Dusky-capped Flycatcher.

## Day 15      **Bosque del Cabo**

The morning wander was interesting as ever. Agouti were nibbling nuts on the lawn as usual and the sloth was close to where we had seen him the day before, though sound asleep. Moving through the garden we saw some more close spider monkeys and then some superb Frangipani Hawkmoth caterpillars that were busy defoliating a frangipani. Black Vultures were sunning themselves and then a male Black-crowned Tityra flew in with a dried leaf in his beak. He tried (in vain) to impress a female with this, chasing her about the canopy, but perhaps unsurprisingly she wasn't interested. Near the lodge a Roadside Hawk dive-bombed a Crested Caracara and then it too was mobbed by a pair of Tropical Gnatcatchers. A *Heliconius pacheus* settled on a nearby leaf and posed well for the cameras.

We were driven out to the head of the trail. This began in a teak plantation and dropped into an area of tall forest. It was a warm day and butterflies were fizzing about with many Banded Peacock, Gulf Fritillary and Queen on the wing. Entering the shadier areas there were a few lycaenids with the pretty *Janthecla cydonia*, as well as a fine damselfly with red-suffused wings. Fast-flying *Archaeoprepona demophon* whizzed overhead. Turning off onto another path there was a fine *Bolla* skipper, a fine arrowhead spider and then excellent, close (and prolonged) views of a male Great Curassow poised in the middle of the path. A female was seen afterwards not far away. There followed a longhorn beetle, Green Heliconian and great views of a pair of Pale-billed Woodpeckers. A juvenile Central American Whiptail sported a vivid blue tail. Reaching the large pond, the area was thronging with dragonflies including pink *Orthemis ferrugineus*, blue-eyed, *Dythemis multipunctata* and red-bodied *Libellula herculea*. A couple of different hairstreaks were seen on the final stretch back to refreshing cold water. We were shown some amazing aggregations of colourful bugs just before lunch.

There was a close view of Chestnut-mandibled Toucan when we set off for our walk to the beach below the lodge. The descent to this fine sweep of rocky black sand is a steep one, but we saw a female Black-throated Trogon on the way down. At the bottom were travertine encrusted springs that emerged from the limestone rocks. Crossing the sands, the rock pools had a range of marine critters with several species of fish, sea slugs, gastropods and lots of Sally Lightfoot and hermit crabs. Then what comes down must go up! But there was still wildlife interest and when I reached the top of the walk up there was a Tayra creeping through the crunchy leaf litter and Alan saw a Roadside Hawk dustbathing as he walked back.

## Day 16      Bosque del Cabo

We took an early walk into the woods to look for Green-and-black Poison Frogs, finding one at the start and then another at the end in almost the same place. So much for the bit in the middle, though there was a good Golfo Dulce Anole dewlap moment. A male Black-throated Trogon delayed breakfast a touch.

The longer morning walk took us down to the creek where we saw Golden-crowned Spadebill as we walked up the other side. Along a ridge there was a pair of Chestnut-backed Antbirds, an *Urbanus tanna* and an impressive tree with huge spreading roots. Spider monkeys put in an appearance and then we found a superb big green katydid perched on a palm leaf. A Long-billed Hermit appeared and gleaned insects from under a palm leaf. Then a series of mini-beasts were found with robber flies, *Heliconius pachinus*, dragonflies and blue-tailed young whiptail lizards. Crossing the tropical garden a King Vulture swept overhead as we stood in the welcome shade. Our trail then continued through the forest where we saw Streak-crowned Ant-vireos and then arrived at the main drive. A Bare-throated Tiger-heron was standing rather absurdly in the small frog pond, which seemed barely large enough for it and he flew into a palm tree when we took too much interest in him.

In the afternoon, a party of young coatis appeared just before we drove out to an area of pasture next to forest patches. A small river fed into the beach well beyond and a White Ibis was feeding here and a Little Blue Heron arrived soon after. Elsewhere were Ruddy Ground-dove, a good view of a screaming Mangrove Black Hawk, Scarlet Macaws, White-collared Seedeater and Purple Martin. An Eastern Longtail Blue was seen too just as we noticed Yellow Warbler joining Variable Seedeaters and Palm Tanagers for a bath in the stream. Moving on there was a troupe of howlers and then good views of another male Black-throated Trogon. There was a search for an elusive Common Potoo, but no luck. However, all turned out well enough when a troupe of very cute Central American Squirrel Monkeys came through shortly before we went back.

## Day 17      Bosque del Cabo and to La Cusinga

Our last morning at this wonderful lodge and what a good one it turned out to be. The selection of the usual cast was around the lodge with Crested Caracara, Pale-billed Woodpecker, agoutis and Scarlet Macaws. Walking out into the gardens a troupe of White-faced Capuchin came through, athletically leaping between canopy gaps. Passing next to the forest and glancing inside saw a Northern Tamandua start to climb a tree. We had superb views of this wonderful animal, which eventually reached a secure perch and fell asleep.

I went up the road to photograph *Passiflora vitifolia* and saw both Great Tinamou and female Black-throated Trogon in the same area. Then we all drove on to Puerto Jimenez and met up again with our driver, Roy. Lunch was overlooking the Pacific with Cherrie's Tanagers passing through.

Then we had a short but productive (and humid) walk into the forest with Common basilisk by the river, *Heliconius imeni* and *hecale* chasing one another, a fine skipper *Saliana sp* followed by a larger orange species *Telemiades choricus*. A fine owl butterfly was seen next just as we found a party of Dot-winged Antwrens. Black-hooded Antshrike put in a brief appearance but the two Green-and-black Poison Frogs we found under a log were seen well by all as they hopped away. there were

also some superb big trees on the walk with immense root systems. Arriving back at the lodge as the scent of ylang-ylang filled the air there was a mixed flock with tanagers and honeycreepers.

A fine sunset rounded off the day and a superb long-necked mantis joined us for dinner, adding yet another layer to a rich experience in Costa Rica.

## **Day 18      Flights**

An early breakfast allowed us to get away by 6.30 and drive up to San Jose in good time for our flights. There were plenty of birds about with two Great Blue Herons landing in tree below the lodge before breakfast and on the drive, were Wood Storks, Yellow-headed Caracaras, and Roadside Hawks. Below the bridge we could see Black-bellied Whistling Ducks and seventeen sizeable American Crocodiles. Then was on up to the airport for farewells and flights.

## Systematic list 1 – Birds

Birds not seen in 2019 are in parentheses to give a full picture of what is possible on the tour. A somewhat odd year with the unusual weather no doubt affecting some species.

|                              |                                  |  |
|------------------------------|----------------------------------|--|
| Great Tinamou                | <i>Tinamus major</i>             | Laguna Lagartos & Bosque del Cabo                              |
| Thicket Tinamou              | <i>Crypturellus cinnamomeus</i>  | Heard at Buena Vista   |
| [Blue-footed Booby           | <i>Sula nebouxii</i>             | Puerto Jimenez]  |
| [Red-footed Booby            | <i>Sula sula</i>                 | Playa Nicuesa, offshore from La Cusinga]                       |
| Brown Pelican                | <i>Pelecanus occidentalis</i>    | Pacific coast  |
| Neotropic Cormorant          | <i>Phalacrocorax brasilianus</i> | Caño Negro, wetlands   |
| Anhinga                      | <i>Anhinga anhinga</i>           | Caño Negro, wetlands   |
| Magnificent Frigatebird      | <i>Fregata magnificens</i>       | Pacific coast  |
| [Great Frigatebird           | <i>Fregata minor</i>             | Bizarrely one flew over us in the hills near El Toucanet 2016] |
| [Fasciated Tiger-Heron       | <i>Tigrisoma fasciatum</i>       | La Mina road 2016]   |
| Bare-throated Tiger-Heron    | <i>Tigrisoma mexicanum</i>       | Waterways, Caño Negro, Bosque del Cabo                         |
| Great Blue Heron             | <i>Ardea herodias</i>            | La Cusinga (Caño Negro, Playa Nicuesa 2018)                    |
| Great Egret                  | <i>Casmerodius albus</i>         | Wetlands throughout  |
| Snowy Egret                  | <i>Egretta thula</i>             | Common and widespread  |
| Little Blue Heron            | <i>Egretta caerulea</i>          | Caño Negro, Carbonera  |
| Tricolored Heron             | <i>Egretta tricolor</i>          | Caño Negro   |
| Cattle Egret                 | <i>Bubulcus ibis</i>             | Common and widespread in wetlands                              |
| Green Heron                  | <i>Butorides striatus</i>        | Caño Negro   |
| Boat-billed Heron            | <i>Cochlearius cochlearius</i>   | Caño Negro   |
| White Ibis                   | <i>Eudocimus albus</i>           | Caño Negro, Carbonera  |
| Green Ibis                   | <i>Mesembrinibis cayennensis</i> | Caño Negro, Laguna Lagartos                                    |
| Glossy Ibis                  | <i>Plegadis falcinellus</i>      | Caño Negro   |
| [Roseate Spoonbill           | <i>Ajaia ajaja</i>               | Caño Negro area]   |
| Wood Stork                   | <i>Mycteria americana</i>        | Caño Negro, Pacific coast                                      |
| Black-bellied Whistling Duck | <i>Dendrocygna autumnalis</i>    | Tarcoles River   |
| [Muscovy Duck                | <i>Cairina moschata</i>          | Tirimina, but are they wild?2017]                              |
| Blue-winged Teal             | <i>Anas discors</i>              | Caño Negro   |
| [American Wigeon             | <i>Anas americana</i>            | Caño Negro]  |
| [Lesser Scaup                | <i>Aythya affinis</i>            | Caño Negro]  |
| Black Vulture                | <i>Coragyps atratus</i>          | Abundant and widespread  |
| Turkey Vulture               | <i>Cathartes aura</i>            | Abundant and widespread  |
| King Vulture                 | <i>Sarcoramphus papa</i>         | Laguna Lagartos, Bosque del Cabo                               |
| Osprey                       | <i>Pandion haliaetus</i>         | Caño Negro   |
| American Swallow-tailed Kite | <i>Elanoides forficatus</i>      | Bosque del Cabo  |
| White-tailed Kite            | <i>Elanus caeruleus</i>          | Buena Vista  |
| [Double-toothed Kite         | <i>Harpagus bidentatus</i>       | Playa Nicuesa]   |

|                           |                                  |   |
|---------------------------|----------------------------------|---|
| [Sharp-shinned Hawk       | <i>Accipiter striatus</i>        | Buena Vista, Rancho N]                        |
| [Bicolored Hawk           | <i>Accipiter bicolor</i>         | Rancho N 2017]                                |
| [Cooper's Hawk            | <i>Accipiter cooperii</i>        | Playa Nicuesa]                                |
| [Common Black Hawk        | <i>Buteogallus anthracinus</i>   | 2017]   |
| Mangrove Black Hawk       | <i>Buteogallus</i>               | Bosque del Cabo                               |
| [Great Black Hawk         | <i>Buteogallus urubitunga</i>    | Playa Nicuesa 2017]                           |
| Black-collared Hawk       | <i>Busarellus nigricollis</i>    | Caño Negro                                    |
| [Gray Hawk                | <i>Buteo nitidus</i>             | Tirimbina, En route to Buena Vista]           |
| [Grey-lined Hawk          |                                  | Poas, Rancho N 2017]                          |
| Roadside Hawk             | <i>Buteo magnirostris</i>        | Widespread                                    |
| Broad-winged Hawk         | <i>Buteo platypterus</i>         | Caño Negro, Bosque del Cabo, El Toucanet      |
| [Short-tailed Hawk        | <i>Buteo brachyurus</i>          | Buena Vista 2017]                             |
| [Zone-tailed hawk         | <i>Buteo albonotatus</i>         | El Toucanet]                                  |
| [Red-tailed Hawk          | <i>Buteo jamaicensis</i>         | Cerro de la Muerte]                           |
| [Harris Hawk              |                                  | En route to Caño Negro]                       |
| [Semi-plumbeous Hawk      | <i>Leucopternis semiplumbeus</i> | Heliconias]                                   |
| [Crested Eagle            | <i>Morphnus guianensis</i>       | Playa Nicuesa]                                |
| [Black Hawk-Eagle         | <i>Spizaetus tyrannus</i>        | Playa Nicuesa]                                |
| [Ornate Hawk-Eagle        | <i>Spizaetus ornatus</i>         | Stunning rapotr, seen well at tirimbina]      |
| Yellow-headed Caracara    | <i>Milvago chimachima</i>        | Bosque del Cabo & Pacific coast               |
| Crested Caracara          | <i>Polyborus plancus</i>         | Widespread                                    |
| Laughing Falcon           | <i>Herpetotheres cachinnans</i>  | Laguna Lagartos                               |
| [Collared Forest-Falcon   | <i>Micrastur semitorquatus</i>   | Playa Nicuesa]                                |
| [American Kestrel         | <i>Falco sparverius</i>          | Buena Vista, Caño Negro]                      |
| [Bat Falcon               | <i>Falco ruficularis</i>         | Tirimbina]                                    |
| Gray-headed Chachalaca    | <i>Ortalis cinereiceps</i>       | Rancho N                                      |
| Crested Guan              | <i>Penelope purpurascens</i>     | Widespread, Rancho, Buena Vista               |
| [Black Guan               | <i>Chamaepetes unicolor</i>      | Savegre valley 2017]                          |
| Great Curassow            | <i>Crax rubra</i>                | Buena Vista, Laguna Lagartos, Bosque del Cabo |
| Spotted Wood-Quail        | <i>Odontophorus guttatus</i>     | El Toucanet                                   |
| [Marbled Wood-Quail       | <i>Odontophorus gujanensis</i>   | Playa Nicuesa]                                |
| [White-throated Crake     | <i>Laterallus albigularis</i>    | Two near Sarapiquí (LOB) 2017]                |
| Gray-necked Wood-Rail     | <i>Aramides cajana</i>           | Caño Negro, Laguna Lagartos                   |
| Purple Gallinule          | <i>Porphyryula martinica</i>     | Caño Negro                                    |
| Sungrebe                  | <i>Heliornis fulica</i>          | Good views at Caño Negro]                     |
| Sunbittern                | <i>Eurypyga helias</i>           | Stunning views near Rancho N                  |
| Limpkin                   | <i>Aramus guarauna</i>           | Good views at Caño Negro                      |
| Black-necked Stilt        | <i>Himantopus mexicanus</i>      | Caño Negro                                    |
| Northern Jacana           | <i>Jacana spinosa</i>            | Caño Negro                                    |
| Double-striped thick-knee | <i>Burhinus bistriatus</i>       | Buena Vista                                   |
| Southern Lapwing          |                                  | Caño Negro                                    |
| [Grey Plover              | <i>Pluvialis squatarola</i>      | Playa Nicuesa]                                |
| Semipalmated Plover       | <i>Charadrius semipalmatus</i>   | Caño Negro                                    |

|                            |                               |   |
|----------------------------|-------------------------------|---|
| Greater Yellowlegs         | <i>Tringa melanoleuca</i>     | Caño Negro  |
| Lesser Yellowlegs          | <i>Tringa flavipes</i>        | Caño Negro  |
| [Solitary Sandpiper        | <i>Tringa solitaria</i>       | Tirimbina riverside]  |
| [Willet                    | <i>Catoptrophorus</i>         | Playa Nicuesa]  |
|                            | <i>semipalmatus</i>           |   |
| Spotted Sandpiper          | <i>Actitis macularia</i>      | Widespread by rivers and coast                                    |
| [Whimbrel                  | <i>Numenius phaeopus</i>      | Pacific coast]  |
| [Ruddy Turnstone           | <i>Arenaria interpres</i>     | Pacific coast]  |
| Least Sandpiper            | <i>Calidris minutilla</i>     | Caño Negro  |
| [California Gull           |                               | Puerto Jimenez]   |
| [Laughing Gull             | <i>Larus atricilla</i>        | Pacific coast]  |
| [Herring Gull              | <i>Larus argentatus</i>       | Pacific coast]  |
| [Royal Tern                | <i>Sterna maxima</i>          | Pacific coast]  |
| [Sandwich Tern             | <i>Sterna sandvicensis</i>    | Pacific coast]  |
| [Gull-billed Tern          | <i>Gelochelidon nilotica</i>  | Puerto Jimenez]   |
| [Black Tern                | <i>Chlidonias niger</i>       | Pacific coast]  |
| Pale-vented Pigeon         | <i>Columba cayennensis</i>    | Bosque del Cabo   |
| Red-billed Pigeon          | <i>Columba flavirostris</i>   | Widespread and common   |
| [Ruddy Pigeon              | <i>Columba subvinacea</i>     | ]   |
| Short-billed Pigeon        | <i>Columba nigrirostris</i>   | Widespread  |
| White-winged Dove          | <i>Zenaida asiatica</i>       | Widespread  |
| Mourning Dove              | <i>Zenaida macroura</i>       | Buena Vista   |
| Common Ground-Dove         | <i>Columbina passerina</i>    | Buena Vista   |
| Ruddy Ground-Dove          | <i>Columbina talpacoti</i>    | Tirimbina, Caño Negro, Buena Vista                                |
| Inca Dove                  | <i>Columbina inca</i>         | Buena Vista area  |
| [Blue Ground-Dove          | <i>Claravis pretiosa</i>      | A beauty, seen well at Playa Nicuesa, aslo Caño Negro]            |
|                            |                               |   |
| White-tipped Dove          | <i>Leptotila verreauxi</i>    | Widespread  |
| Gray-chested Dove          | <i>Leptotila cassinii</i>     | Rancho N – easily overlooked as very similar to White-tipped Dove |
|                            |                               | Rancho N (LOB)  |
| Purplish-backed Quail-Dove | <i>Geotrygon lawrencii</i>    |   |
| [Olive-backed Quail-Dove   | <i>Geotrygon feraguensis</i>  | Braulio Carillio]   |
| [Chiriqui Quail-Dove       | <i>Geotrygon chiriquensis</i> | Rancho N at the feeders (!) (Two at Heliconias 2017)]             |
| [Ruddy Quail-Dove          | <i>Geotrygon montana</i>      | Playa Nicuesa]  |
| Scarlet Macaw              | <i>Ara macao</i>              | Bosque del Cabo   |
| Great Green Macaw          | <i>Ara ambigua</i>            | Good views at Laguna Lagartos                                     |
| [Olive-throated Parakeet   | <i>Aratinga nana</i>          | Tirimbina]  |
| Crimson-fronted Parakeet   | <i>Aratinga finschi</i>       | Rancho N, Caño Negro  |
|                            |                               |   |
| [Orange-fronted Parakeet   | <i>Aratinga canicularis</i>   | Buena Vista]  |
| [Sulfur-winged Parakeet    | <i>Pyrrhura hoffmanni</i>     | Rancho N, El Toucanet]  |
| [Barred Parakeet           | <i>Bolborhynchus lineola</i>  | Possible at Tirimbina]  |



|                            |                                   |   |
|----------------------------|-----------------------------------|---|
| Orange-chinned Parakeet    | <i>Brotogeris jugularis</i>       | Scarce this year, Buena Vista                                 |
| Brown-hooded Parrot        | <i>Pionopsitta haematotis</i>     | Laguna Lagartos feeders                                       |
| White-crowned Parrot       | <i>Pionus senilis</i>             | Widespread  |
| White-fronted Parrot       | <i>Amazona albifrons</i>          | Buena Vista   |
| [Yellow-naped Parrot       | <i>Amazona auropalliata</i>       | Buena Vista]  |
| Red-lored Parrot           | <i>Amazona autumnalis</i>         | Common and widespread   |
| Mealy Parrot               | <i>Amazona farinosa</i>           | One at Laguna Lagartos  |
| Squirrel Cuckoo            | <i>Piaya cayana</i>               | Buena Vista, Caño Negro                                       |
| [Mangrove Cuckoo           | <i>Coccyzus minor</i>             | Caño Negro]   |
| Groove-billed Ani          | <i>Crotophaga sulcirostris</i>    | Common in north   |
| Smooth-billed Ani          | <i>Crotophaga ani</i>             | Carbonera   |
| Pacific Screech-Owl        | <i>Otus cooperi</i>               | Buena Vista (LOB)   |
| [Spectacled Owl            | <i>Pulsatrix perspicillata</i>    | One flew across late afternoon at Tirimbina]                  |
| Crested Owl                | <i>Lophostrix cristata</i>        | Heard at Heliconias   |
| Pauraque                   | <i>Nyctidromus albicollis</i>     | Widespread  |
| [Whip-poor-will            | <i>Caprimulgus vociferous</i>     | Heliconias]   |
| Short-tailed Nighthawk     | <i>Lurocalis semitorquatus</i>    | Laguna Lagartos   |
| [White-collared Swift      | <i>Streptoprocne zonaris</i>      | Rancho N, Playa Nicuesa]                                      |
| [Vaux's Swift              | <i>Chaetura vauxi</i>             | Rancho N]   |
| Gray-rumped Swift          | <i>Chaetura cinereiventris</i>    | Heliconias  |
| Costa Rican Swift          | <i>Chaetura fumosa</i>            | La Cusinga  |
| [White-tipped Sicklebill   | <i>Eutoxeres aquila</i>           | Fabulous hummer, one on <i>Heliconia</i> at Braulio Carillio] |
| Band-tailed Barbthroat     | <i>Threnetes ruckeri</i>          | Bosque del Cabo (LOB)   |
| Green Hermit               | <i>Phaethornis guy</i>            | Rancho N  |
| Long-billed Hermit         | <i>Phaethornis superciliosus</i>  | Bosque del Cabo   |
| Stripe-throated Hermit     | <i>Phaethornis longuemareus</i>   | Rancho N – aka Little Hermit                                  |
| Violet Sabrewing           | <i>Campylopterus hemileucurus</i> | El Toucanet, Rancho N   |
| White-necked Jacobin       | <i>Florisuga mellivora</i>        | Rancho N, Laguna Lagartos                                     |
| [Brown Violet-ear          | <i>Colibri delphinae</i>          | Heliconias]   |
| Green Violet-ear           | <i>Colibri thalassinus</i>        | El Toucanet   |
| Green-breasted Mango       | <i>Anthracothorax prevostii</i>   | Rancho N, Laguna Lagartos                                     |
| [Violet-headed Hummingbird | <i>Klais guimeti</i>              | Rancho N]   |
| [Black-crested Coquette    | <i>Lophornis helenae</i>          | Rancho N]   |
| White-crested Coquette     | <i>Lophornis adorabilis</i>       | A female at Bosque del Cabo                                   |
| [Green Thorntail           | <i>Discosura conversii</i>        | Rancho N]   |
| Crowned Woodnymph          | <i>Thalurania colombica</i>       | Rancho N, Laguna Lagartos, Bosque del Cabo                    |
| Fiery-throated Hummingbird | <i>Panterpe insignis</i>          | Cerro de la Muerte – a dozen or more at feeders               |
| [Blue-throated Goldentail  | <i>Hylocharis eliciae</i>         | Playa Nicuesa]  |
| Rufous-tailed Hummingbird  | <i>Amazilia tzacatl</i>           | Common and widespread   |

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| Charming Hummingbird<br>[Cinnamon<br>Hummingbird<br>Steely-vented<br>Hummingbird<br>Striped-tailed<br>Hummingbird<br>Snowcap<br>Red-footed Plumeleteer<br>[Purple-throated<br>Mountain-Gem<br>[White-throated<br>Mountain-Gem<br>[Green-crowned Brilliant<br>Magnificent<br>Hummingbird<br>Purple-crowned Fairy<br>[Long-billed Starthroat<br>Plain-capped Starthroat<br>Magenta-throated<br>Woodstar<br>Scintillant Hummingbird<br>Volcano Hummingbird<br>Resplendent Quetzal<br>[Baird's Trogon<br>Black-throated Trogon<br>Black-headed Trogon<br>[Violetaceous Trogon<br>Collared Trogon<br>Slaty-tailed Trogon<br>Broad-billed Motmot<br>[Keel-billed Motmot<br>Blue-crowned Motmot<br>Rufous Motmot<br>Turquoise-browed<br>Motmot<br>Tody Motmot<br>[Rufous-tailed Jacamar<br>Ringed Kingfisher<br>[Belted Kingfisher<br>Amazon Kingfisher<br>Green Kingfisher<br>American Pygmy<br>Kingfisher | <i>Amazilia decora</i><br><i>Amazilia rutila</i><br><br><i>Amazilia saucerrottei</i><br><br><i>Eupherusa eximia</i><br><br><i>Microchera albocoronata</i><br><i>Chalybura urochrysis</i><br><i>Lampornis calolaema</i><br><br><i>Lampornis castaneiventris</i><br><br><i>Heliodoxa jacula</i><br><i>Eugenes fulgens</i><br><br><i>Heliothryx barroti</i><br><i>Heliomaster longirostris</i><br><i>Heliomaster constantii</i><br><i>Calliphlox bryantae</i><br><br><i>Selasphorus scintilla</i><br><i>Selasphorus flammula</i><br><i>Pharomachrus mocinno</i><br><i>Trogon bairdii</i><br><i>Trogon rufus</i><br><i>Trogon melanocephalus</i><br><i>Trogon violaceus</i><br><i>Trogon collaris</i><br><i>Trogon massena</i><br><i>Electron platyrhynchum</i><br><i>Electron carinatum</i><br><i>Momotus momota</i><br><i>Baryphthengus martii</i><br><i>Eumomota superciliosa</i><br><br><i>Hylomanes momotula</i><br><i>Galbula ruficauda</i><br><i>Ceryle torquata</i><br><i>Ceryle alcyon</i><br><i>Chloroceryle amazona</i><br><i>Chloroceryle americana</i><br><i>Chloroceryle aenea</i> | Possible at Bosque del Cabo<br>Buena Vista]<br><br>El Toucanet<br><br>El Toucanet<br><br>Rancho N<br>Laguna Lagartos<br>Poas]<br><br>A female above El Toucanet]<br><br>Rancho N]<br>Cerro de la Muerte, El Toucanet<br><br>Lovely hummer, Playa Nicuesa<br>Tirimbina, Rancho N]<br>El Toucanet<br>El Toucanet<br><br>El Toucanet<br>Cerro del Muerte<br>El Toucanet<br>Brief views at Playa Nicuesa]<br>Bosque del Cabo<br>Buena Vista<br>Tirimbina, Rancho N]<br>Rancho N<br>Buena Vista, but widespread, heard often<br>Rancho N<br>Tirimbina, Heliconias (2017)]<br>Seen well at Buena Vista<br>Rancho N<br>Good views at Buena Vista<br><br>One at Heliconias<br>Buena Vista, (Rancho N 2016)]<br>Caño Negro<br>Tirimbina]<br>Tirimbina, Caño Negro<br>Tirimbina, Caño Negro<br>Caño Negro |
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| [White-necked Puffbird<br>Pied Puffbird | <i>Bucco macrorhynchos</i><br><i>Biucco tectus</i> | Tirimbina (Playa Nicuesa 2016)]<br>Laguna Lagartos             |
| [White-whiskered<br>Puffbird            | <i>Malacoptila panamensis</i>                      | Good views at Tirimbina]                                       |
| [White-fronted Nunbird                  | <i>Monasa morphoeus</i>                            | Tirimbina]   |
| Emerald Toucanet                        | <i>Aulacorhynchus prasinus</i>                     | Great views at El Toucanet                                     |
| [Yellow-eared Toucanet                  | <i>Selenidera spectabilis</i>                      | Decent views at Heliconias]                                    |
| Collared Aracari                        | <i>Pteroglossus torquatus</i>                      | Laguna Lagartos  |
| Fiery-billed Aracari                    | <i>Pteroglossus frantzii</i>                       | Bosque del Cabo  |
| Keel-billed Toucan                      | <i>Ramphastos sulfuratus</i>                       | Widespread in north  |
| Chestnut-mandibled<br>Toucan            | <i>Ramphastos swainsonii</i>                       | Bosque del Cabo, Laguna Lagartos                               |
| Black-cheeked<br>Woodpecker             | <i>Melanerpes pucherani</i>                        | Laguna Lagartos  |
| Hoffmann's Woodpecker                   | <i>Melanerpes hoffmannii</i>                       | Common in north  |
| Red-crowned<br>Woodpecker               | <i>Melanerpes rubricapillus</i>                    | Bosque del Cabo  |
| [Acorn Woodpecker                       | <i>Melanerpes formicivorus</i>                     | Savegre valley]  |
| Golden-naped<br>Woodpecker              | <i>Melanerpes chrysauchen</i>                      | Bosque del Cabo  |
| Hairy Woodpecker                        | <i>Picoides villosus</i>                           | El Toucanet  |
| [Smoky-brown<br>Woodpecker              | <i>Veniliornis fumigatus</i>                       | Heliconias]  |
| [Red-rumped<br>Woodpecker               | <i>Veniliornis kirkii</i>                          | Playa Nicuesa]   |
| [Rufous-winged<br>Woodpecker            | <i>Piculus simplex</i>                             | Tirimbina]   |
| Golden-olive<br>Woodpecker              | <i>Piculus rubiginosus</i>                         | Cano Negro, Bosque del Cabo                                    |
| Chestnut-coloured<br>Woodpecker         | <i>Celeus castaneus</i>                            | Laguna Lagartos  |
| Lineated Woodpecker                     | <i>Dryocopus lineatus</i>                          | Bosque del Cabo  |
| Pale-billed Woodpecker                  | <i>Campephilus guatemalensis</i>                   | Laguna Lagartos, Bosque del Cabo                               |
| [Slaty Spinetail                        | <i>Synallaxis brachyura</i>                        | Heard at Caño Negro]   |
| Red-faced Spinetail                     | <i>Cranioleuca erythrops</i>                       | El Toucanet  |
| Ruddy Treerunner                        | <i>Margarornis rubiginosus</i>                     | Providencia road   |
| [Buffy Tuftedcheek                      | <i>Pseudocolpates lawrencii</i>                    | Providencia road]  |
| Buff-throated Foliage-<br>gleaner       | <i>Automolus ochrolaemus</i>                       | Rancho N   |
| [Striped Woodhaunter                    |  | Excellent views of this scarce bird at Playa Nicuesa<br>pools] |
| Plain Xenops                            | <i>Xenops minutus</i>                              | Bosque del Cabo  |
| [Scaly-throated<br>Leaf-tosser          | <i>Sclerurus guatemalensis</i>                     | Playa Nicuesa]   |

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| Tawny-throated<br>Leaftosser    | <i>Sclerurus mexicanus</i>            | Rancho N   |
| [Plain-Brown<br>Woodcreeper     | <i>Dendrocincla fuliginosa</i>        | Playa Nicuesa]   |
| Ruddy Woodcreeper               | <i>Dendrocincla homochroa</i>         | Buena Vista  |
| [Olivaceous Woodcreeper         | <i>Sittasomus griseicapillus</i>      | Buena Vista, Rancho N]   |
| Wedge-billed<br>Woodcreeper     | <i>Glyphorhynchus spirurus</i>        | La Cusinga   |
| Barred Woodcreeper              | <i>Dendrocolaptes certhia</i>         | Buena Vista  |
| [Ivory-billed<br>Woodcreeper    | <i>Xiphorhynchus flavigaster</i>      | Buena Vista]   |
| Spotted Woodcreeper             | <i>Xiphorhynchus<br/>erythropygus</i> | Rancho N   |
| Cocoa Woodcreeper               |                                       | Rancho N, Bosque del Cabo  |
| Streak-headed<br>Woodcreeper    | <i>Lepidocolaptes souleyetii</i>      | Widespread   |
| Black-striped<br>Woodcreeper    | <i>Xiphorhynchus lachrymosus</i>      | Bosque del Cabo  |
| [Spotted-crowned<br>Woodcreeper | <i>Lepidocolaptes affinis</i>         | El Toucanet]   |
| [Brown-billed Scythebill        | <i>Campylorhamphus pusillus</i>       | Rancho N]  |
| [Barred Antshrike               | <i>Thamnophilus doliatus</i>          | Caño Negro]  |
| Black-hooded Antshrike          | <i>Thamnophilus bridgesi</i>          | Bosque del Cabo, La Cusinga  |
| [Black-crowned<br>Antshrike     | <i>Thamnophilus punctatus</i>         | Tirimbina]   |
| [Russet Antshrike               | <i>Thamnistes anabatinus</i>          | Heliconias]  |
| Streaked-crowned<br>Antvireo    | <i>Dysithamnus striaticeps</i>        | Bosque del Cabo  |
| [Plain Antvireo                 | <i>Dysithamnus mentalis</i>           | Playa Nicuesa]   |
| White-flanked Antwren           | <i>Myrmotherula axillaris</i>         | Laguna Lagartos  |
| [Checker-throated<br>Antwren    | <i>Myrmotherula fulviventris</i>      | Rancho N]  |
| Dot-winged Antwren              | <i>Microrhopias quixensis</i>         | La Cusinga   |
| [Dusky Antbird                  | <i>Cercomacra tyrannina</i>           | Buena Vista]   |
| Chestnut-backed Antbird         | <i>Myrmeciza exsul</i>                | Widespread in lowland forests  |
| [Bicolored Antbird              | <i>Gymnopithys leucaspis</i>          | Seen well at bathing pools, Playa Nicuesa]                             |
| [Spotted Antbird                | <i>Hylophylax naevioides</i>          | Heliconias]  |
| [Black-faced Antthrush          | <i>Formicarius analis</i>             | Excellent views of one visiting the bathing pools at<br>Playa Nicuesa] |
| Cinnamon Becard                 | <i>Pachyramphus<br/>cinnamomeus</i>   | Rancho N   |
| [White-winged Becard            | <i>Pachyramphus<br/>polychopterus</i> | Rancho N (Tirimbina, Caño Negro 2017)]                                 |
| Rose-throated Becard            | <i>Pachyramphus algaiae</i>           | Buena Vista  |

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| [Black-and-White Becard   | <i>Pachyramphus albogriseus</i>   | El Toucanet]                           |
| Masked Tityra             | <i>Tityra semifasciata</i>        | Widespread                             |
| Black-crowned Tityra      | <i>Tityra inquisitor</i>          | Rancho N, Bosque del Cabo              |
| [Snowy Cotinga            | <i>Carpodectes nitidus</i>        | Heliconias]                            |
| [Rufous Piha              | <i>Lipaugus unirufus</i>          | Tirimbina]                             |
| Three-wattled Bellbird    | <i>Procnias tricarunculata</i>    | Laguna Lagartos                        |
| Thrushlike Manakin        | <i>Schiffornis turdinus</i>       | Heard at Heliconias                    |
| White-collared Manakin    | <i>Manacus candei</i>             | Rancho N, Laguna Lagartos, lovely bird |
| [Orange-collared          | <i>Manacus aurantiacus</i>        | Playa Nicuesa]                         |
| Manakin                   |                                   |  |
| Long-tailed Manakin       | <i>Chiroxiphia linearis</i>       | Buena Vista                            |
| Blue-crowned Manakin      | <i>Pipra coronata</i>             | Bosque del Cabo, female                |
| White-crowned Manakin     |                                   | Heard at Rancho N                      |
| Red-capped Manakin        | <i>Pipra mentalis</i>             | Bosque del Cabo                        |
| [White-ruffed Manakin     |                                   | Rancho N]                              |
| [Southern Beardless       | <i>Camptostoma obsoletum</i>      | Playa Nicuesa]                         |
| Tyrannulet                |                                   |  |
| Scale-crested Pygmy-      | <i>Lophotriccus pileatus</i>      | Heliconias                             |
| Tyrant                    |                                   |  |
| Torrent Tyrannulet        | <i>Serpophaga cinerea</i>         | El Toucanet                            |
| [Greenish Elaenia         | <i>Myiopagis viridicata</i>       | Playa Nicuesa]                         |
| [Mountain Elaenia         | <i>Elaenia frantzii</i>           | El Toucanet]                           |
| Yellow-bellied Elaenia    | <i>Elaenia flavogaster</i>        | Rancho N                               |
| Paltry Tyrannulet         | <i>Zimmerius vilissimus</i>       | Rancho N                               |
| Ochre-bellied Flycatcher  | <i>Mionectes oleagineus</i>       | Rancho N                               |
| Slaty-capped Flycatcher   | <i>Leptopogon superciliaris</i>   | Rancho N                               |
| Common Tody-              | <i>Todirostrum cinereum</i>       | Widespread                             |
| Flycatcher                |                                   |  |
| [Eye-ringed Flatbill      | <i>Rhynchocyclus brevirostris</i> | Tirimbina, Playa Nicuesa]              |
| [Yellow-Olive Flycatcher  | <i>Tolmomyias sulphurescens</i>   | Rancho N]                              |
| [Stub-tailed Spadebill    | <i>Platyrrinchus cancrominus</i>  | Heard at Buena Vista]                  |
| Golden-crowned            | <i>Platyrrinchus coronatus</i>    | Bosque del Cabo                        |
| Spadebill                 |                                   |  |
| Tufted Flycatcher         | <i>Mitrephanes phaeocercus</i>    | El Toucanet                            |
| [Tawny-chested            | <i>Aphanotriccus capitalis</i>    | Good views at Rancho N]                |
| Flycatcher                |                                   |  |
| [Tropical Pewee           | <i>Contopus cinereus</i>          | Tirimbina]                             |
| [Dark Pewee               | <i>Contopus lugubris</i>          | El Toucanet]                           |
| Yellow-bellied Flycatcher | <i>Empidonax flaviventris</i>     | Rancho N                               |
| White-throated            | <i>Empidonax albigularis</i>      | Rancho N                               |
| Flycatcher                |                                   |  |
| Least Flycatcher          | <i>Empidonax minimus</i>          | Bosque del Cabo                        |
| Yellowish Flycatcher      | <i>Empidonax flavescens</i>       | El Toucanet                            |
| Black-capped Flycatcher   | <i>Empidonax atriceps</i>         | Cerro de la Muerte                     |

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| [Bright-rumped Attila          | <i>Attila spadiceus</i>           | Playa Nicuesa]                  |
| Dusky-capped Flycatcher        | <i>Myiarchus tuberculifer</i>     | Buena Vista, Bosque del Cabo    |
| Great-crested Flycatcher       | <i>Myiarchus crinitus</i>         | Bosque del Cabo                 |
| Brown-crested Flycatcher       | <i>Myiarchus tyrannulus</i>       | Buena Vista area                |
| [Panama Flycatcher             | <i>Myiarchus panamensis</i>       | Playa Nicuesa]                  |
| Great Kiskadee                 | <i>Pitangus sulphuratus</i>       | Abundant and widespread         |
| [Boat-billed Flycatcher        | <i>Megarynchos pitangua</i>       | Rancho N]                       |
| Social Flycatcher              | <i>Myiozetetes similis</i>        | Common and widespread           |
| Gray-capped Flycatcher         | <i>Myiozetetes granadensis</i>    | Rancho N                        |
| Piratic Flycatcher             | <i>Legatus leucophaeus</i>        | Playa Nicuesa (Tirimbina 2016)  |
| Tropical Kingbird              | <i>Tyrannus melancholicus</i>     | Abundant and widespread         |
| [Scissor-tailed Flycatcher     | <i>Tyrannus forficatus</i>        | Buena Vista]                    |
| Black Phoebe                   | <i>Sayornis nigricans</i>         | Cerro Silencio road, Rancho N   |
| Gray-breasted Martin           | <i>Progne chalybea</i>            | Widespread                      |
| Purple Martin                  | <i>Progne subis</i>               | Carbonera                       |
| Mangrove Swallow               | <i>Tachycineta albilinea</i>      | Cano Negro                      |
| Northern Rough-winged Swallow  | <i>Stelgidopteryx serripennis</i> | Scattered                       |
| [Southern Rough-winged Swallow | <i>Stelgidopteryx ruficollis</i>  | Tirimbina]                      |
| Blue-and-White Swallow         | <i>Notiochelidon cyanoleuca</i>   | Widespread in mid-altitudes     |
| [Barn Swallow                  | <i>Hirundo rustica</i>            | Scarce]                         |
| Brown Jay                      | <i>Cyanocorax morio</i>           | Buena Vista, Rancho N           |
| White-throated Magpie-Jay      | <i>Calocitta formosa</i>          | Buena Vista                     |
| [Silver-throated Jay           | <i>Cyanolyca argenticula</i>      | Savegre valley]                 |
| [American Dipper               | <i>Cinclus mexicanus</i>          | El Toucanet]                    |
| [Band-backed Wren              | <i>Campylorhynchus zonatus</i>    | Poas]                           |
| Rufous-naped Wren              | <i>Campylorhynchus rufinucha</i>  | Buena Vista                     |
| [Spot-breasted Wren            | <i>Thryothorus maculipectus</i>   | Caño Negro]                     |
| Plain Wren                     | <i>Thryothorus modestus</i>       | Heliconias, Cerro Silencio road |
| Stripe-breasted Wren           | <i>Thryothorus thoracicus</i>     | Heard at Heliconias             |
| Bay Wren                       | <i>Thryothorus nigricapillus</i>  | Cerro Silencio road             |
| Riverside Wren                 | <i>Thryothorus semibadius</i>     | Playa Nicuesa                   |
| [Banded Wren                   | <i>Thryothorus pleurostictus</i>  | Buena Vista]                    |
| House Wren                     | <i>Troglodytes aedon</i>          | Common and widespread           |
| White-breasted Wood-Wren       | <i>Henicorhina leucosticta</i>    | Heliconias                      |
| Gray-breasted Wood-Wren        | <i>Henicorhina leucophrys</i>     | Heard Providencia road          |
| Nightingale-Wren               | <i>Microcerculus philomela</i>    | Heard at Heliconias             |
| [Tawny-faced Gnatwren          | <i>Microtaes cinereiventris</i>   | Braulio Carillio]               |
| [White-lored Gnatcatcher       | <i>Poliophtila abloris</i>        | Buena Vista]                    |

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| Tropical Gnatcatcher                  | <i>Poliophtila plumbea</i>      | Bosque del Cabo           |
| Wood Thrush                           | <i>Hylocichla mustelina</i>     | Rancho N                  |
| Swainson's Thrush                     | <i>Catharus ustulatus</i>       | Rancho N                  |
| [Black-headed<br>Nightingale-Thrush   | <i>Catharus mexicanus</i>       | Possible at Heliconias]   |
| Ruddy-capped<br>Nightingale-Thrush    | <i>Catharus frantzii</i>        | El Toucanet               |
| Black-billed Nightingale-<br>Thrush   | <i>Catharus gracilirostris</i>  | Heard Providencia road    |
| [White-throated Robin                 | <i>Turdus assimilis</i>         | Playa Nicuesa]            |
| Clay-colored Robin                    | <i>Turdus grayi</i>             | Abundant                  |
| [Mountain Robin                       | <i>Turdus plebejus</i>          | Savegre valley]           |
| Sooty Robin                           | <i>Turdus nigrescens</i>        | Cerro de la Muerte        |
| Long-tailed Silky<br>Flycatcher       | <i>Phainoptila caudatus</i>     | Providencia Road          |
| [Black-and-Yellow Silky<br>Flycatcher | <i>Phainoptila melanoxantha</i> | Providencia road]         |
| [Yellow-winged Vireo                  | <i>Vireo carmioli</i>           | Savegre valley]           |
| Yellow-throated Vireo                 | <i>Vireo flavifrons</i>         | Rancho N, Bosque del Cabo |
| Philadelphica Vireo                   | <i>Vireo philadelphicus</i>     | Buena Vista               |
| [Warbling Vireo                       | <i>Vireo gilvus</i>             | Buena Vista]              |
| [Tawny-crowned<br>Greenlet            | <i>Hylophilus ochraceiceps</i>  | Rancho N]                 |
| Lesser Greenlet                       | <i>Hylophilus decurtatus</i>    | Buena Vista               |
| Golden-winged Warbler                 | <i>Vermivora chrysoptera</i>    | El Toucanet, Rancho N     |
| Tennessee Warbler                     | <i>Vermivora peregrina</i>      | Abundant                  |
| [Nashville Warbler                    | <i>Vermivora ruficapilla</i>    | Buena Vista]              |
| Flame-throated Warbler                | <i>Parula gutturalis</i>        | Cerro de la Muerte        |
| Tropical Parula                       | <i>Parula pitaiyumi</i>         | Rancho N                  |
| Yellow Warbler                        | <i>Dendroica petechia</i>       | Quite widespread          |
| Chestnut-sided Warbler                | <i>Dendroica pensylvanica</i>   | Common and widespread     |
| [Townsend's Warbler                   | <i>Dendroica townsendi</i>      | Rancho N]                 |
| Black-throated Green<br>Warbler       | <i>Dendroica virens</i>         | Buena Vista               |
| Blackburnian Warbler                  | <i>Dendroica fusca</i>          | Lovely species, Rancho N  |
| Black-and-White Warbler               | <i>Mniotilta varia</i>          | Widespread                |
| American Redstart                     | <i>Septophaga ruticilla</i>     | Female at Rancho N        |
| Slate-throated Redstart               | <i>Myioborus miniatus</i>       | El Toucanet               |
| Collared Redstart                     | <i>Myioborus torquatus</i>      | Providencia road          |
| Golden-crowned Warbler                | <i>Basileuterus culicivorus</i> | Rancho N                  |
| [Black-cheeked Warbler                | <i>Basileuterus melanogenys</i> | Cerro de la Muerte]       |
| Rufous-capped Warbler                 | <i>Basileuterus rufifrons</i>   | Buena Vista, Rancho N     |
| Prothonotary Warbler                  | <i>Protonotaria citrea</i>      | Caño Negro, a beauty      |
| Ovenbird                              | <i>Seiurus aurocapillus</i>     | Rancho N                  |

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| Northern Waterthrush    | <i>Seiurus noveboracensis</i>     | Cano Negro                     |
| [Kentucky Warbler       | <i>Oporornis formosus</i>         | Rancho N]                      |
| Mourning Warbler        | <i>Oporornis philadelphia</i>     | Rancho N                       |
| [MacGillivray's Warbler | <i>Oporornis tolmiei</i>          | Rancho N]                      |
| [Hooded Warbler         | <i>Wilsonia citrina</i>           | Buena Vista, Providencia road] |
| Wilson's Warbler        | <i>Wilsonia pusilla</i>           | Providencia Road               |
| [Buff-rumped Warbler    | <i>Phaeothlypis fulvicauda</i>    | Tirimbina]                     |
| Bananaquit              | <i>Coereba flaveola caboti</i>    | Widespread                     |
| Green Honeycreeper      | <i>Chlorophanes spiza</i>         | Rancho N, Laguna Lagartos      |
| [Scarlet-thighed Dacnis | <i>Dacnis venusta</i>             | Rancho N]                      |
| Shining Honeycreeper    | <i>Cyanerpes lucidus</i>          | Laguna Lagartos                |
| Red-legged              | <i>Cyanerpes cyaneus</i>          | Widespread                     |
| Honeycreeper            |                                   |                                |
| Tawny-capped Euphonia   | <i>Euphonia annae</i>             | Rancho N                       |
| White-vented Euphonia   | <i>Euphonia minuta</i>            | Rancho N                       |
| [Yellow-crowned         | <i>Euphonia luteicapilla</i>      | ]                              |
| Euphonia                |                                   |                                |
| [Spotted-crowned        | <i>Euphonia imitans</i>           | Playa Nicuesa]                 |
| Euphonia                |                                   |                                |
| Yellow-throated         | <i>Euphonia hirundinacea</i>      | Heliconias                     |
| Euphonia                |                                   |                                |
| Olive-backed Euphonia   | <i>Euphonia gouldi</i>            | Laguna Lagartos, Rancho N      |
| Blue-Gray Tanager       | <i>Thraupis episcopus</i>         | Widespread                     |
| Palm Tanager            | <i>Thraupis palmarum</i>          | Widespread                     |
| Emerald Tanager         | <i>Tangara florida</i>            | Cerro Silencio road            |
| [Speckled Tanager       | <i>Tangara guttata</i>            | Rancho N]                      |
| Silver-throated Tanager | <i>Tangara icterocephala</i>      | Rancho N                       |
| Golden-hooded Tanager   | <i>Tangara larvata</i>            | Widespread                     |
| [Plain-coloured Tanager | <i>Tangara inornata</i>           | Tirimbina]                     |
| [Blue and Gold tanager  | <i>Chrysothlypis chrysomelas</i>  | Rancho N]                      |
| Bay-headed Tanager      | <i>Tangara gyrola</i>             | Rancho N, Bosque del Cabo      |
| [Spangle-cheeked        | <i>Tangara dowii</i>              | Bizarley at Tirimbina]         |
| Tanager                 |                                   |                                |
| [Dusky-faced Tanager    | <i>Mitrospingus cassinii</i>      | Tirimbina(?)]                  |
| Black-and-Yellow        | <i>Chrysothlypis chrysomelas</i>  | Cerro Silencio road            |
| Tanager                 |                                   |                                |
| Common Bush-Tanager     | <i>Chlorospingus ophthalmicus</i> | El Toucanet                    |
| Sooty-capped Bush-      | <i>Chlorospingus pileatus</i>     | Providencia Road               |
| Tanager                 |                                   |                                |
| Gray-headed Tanager     | <i>Eucometis penicillata</i>      | Bosque del Cabo, Buena Vista   |
| White-lined Tanager     | <i>Tachyphonus rufus</i>          | Rancho N                       |
| White-shouldered        | <i>Tachyphonus luctuosus</i>      | Bosque del Cabo                |
| Tanager                 |                                   |                                |



|                              |                                     |                               |
|------------------------------|-------------------------------------|-------------------------------|
| [Red-crowned Ant-Tanager     | <i>Habia rubica</i>                 | Heliconias, Buena Vista]      |
| Red-throated Ant-Tanager     | <i>Habia fuscicauda</i>             | Rancho N                      |
| [Black-cheeked Ant-Tanager   | <i>Habia atrimaxillaris</i>         | Playa Nicuesa]                |
| [Carmioli's Tanager          | <i>Chlorothraupis carmioli</i>      | Heliconias aka Olive Tanager] |
| Hepatic Tanager              | <i>Piranga flava</i>                | Heliconias                    |
| Summer Tanager               | <i>Piranga rubra</i>                | Widespread                    |
| [Scarlet Tanager             | <i>Piranga olivacea</i>             | Heliconias]                   |
| [White-winged Tanager        | <i>Piranga leucoptera</i>           | El Toucanet]                  |
| Western Tanager              | <i>Piranga ludoviciana</i>          | Buena Vista                   |
| Flame-coloured Tanager       | <i>Piranga bidentata</i>            | El Toucanet                   |
| Passerini's Tanager          | <i>Ramphocelus passerinii</i>       | Caribbean slope, common       |
| Cherrie's tanager            | <i>Ramphocelus costaricensis</i>    | Pacific slope, common         |
| [Crimson-collared Tanager    | <i>Phlogothraupis sanguinolenta</i> | Rancho N]                     |
| Buff-throated Saltator       | <i>Saltator maximus</i>             | Widespread                    |
| [Black-headed Saltator       | <i>Saltator atriceps</i>            | Rancho N]                     |
| Greyish Saltator             | <i>Saltator coerulescens</i>        | Cano Negro                    |
| [Rose-breasted Grosbeak      | <i>Pheucticus ludovicianus</i>      | Rancho N]                     |
| [Blue-Black Grosbeak         | <i>Cyanocompsa cyanooides</i>       | Heliconias]                   |
| Blue Grosbeak                | <i>Passerina caerulea</i>           | Buena Vista                   |
| Indigo Bunting               | <i>Passerina cyanea</i>             | El Toucanet                   |
| [Black-striped Sparrow       | <i>Arremonops conirostris</i>       | Playa Nicuesa]                |
| [Blue-Black Grassquit        | <i>Volatinia jacarina</i>           | Tirimbina]                    |
| Yellow-faced Grassquit       | <i>Tiaris olivacea</i>              | Rancho N                      |
| [Nicaraguan Seed-Finch       | <i>Oryzoborus nuttingi</i>          | Near Cano Negro]              |
| White-collared Seedeater     | <i>Sporophila torqueola</i>         | Carbonera                     |
| Variable Seedeater           | <i>Sporophila aurita</i>            | Common and widespread         |
| [Slaty Finch                 | <i>Haplopsiza rustica</i>           | Possible at Rancho N]         |
| Slaty Flowerpiercer          | <i>Diglossa plumbea</i>             | Cerro de la Muerte            |
| Large-footed Finch           | <i>Pezopetes capitalis</i>          | Cerro de la Muerte            |
| [Yellow-thighed Finch        | <i>Pselliophorus tibialis</i>       | El Toucanet]                  |
| Chestnut-capped Brush-finch  | <i>Atlapetes brunneinucha</i>       | El Toucanet                   |
| [Yellow-throated Brush-finch | <i>Atlapetes albinucha</i>          | El Toucanet]                  |
| Orange-billed Sparrow        | <i>Arremon aurantiirostris</i>      | Rancho N                      |
| Striped-headed Sparrow       | <i>Aimophila ruficauda</i>          | Buena Vista                   |
| Volcano Junco                | <i>Junco vulcani</i>                | Cerro de la Muerte            |
| Rufous-collared Sparrow      | <i>Zonotricha capensis</i>          | Highlands                     |
| Red-winged Blackbird         | <i>Agelaius phoeniceus</i>          | Cano Negro                    |
| Eastern Meadowlark           | <i>Sturnella magna</i>              | En route to Heliconias (LOB)  |

|                        |                                 |                           |
|------------------------|---------------------------------|---------------------------|
| Melodious Blackbird    | <i>Dives dives</i>              | Cano Negro, Buena Vista   |
| Great-tailed Grackle   | <i>Quiscalus mexicanus</i>      | Abundant                  |
| [Nicaraguan Grackle    | <i>Quiscalus nicaraguensis</i>  | Good views at Cano Negro] |
| [Bronzed Cowbird       | <i>Molothrus aeneus</i>         | Near Tirimbina]           |
| Giant Cowbird          | <i>Molothrus oryzivorus</i>     | Cerro Silencio road       |
| Black-cowled Oriole    | <i>Icterus dominicensis</i>     | Laguna Lagartos           |
| Northern Oriole        | <i>Icterus pustulatus</i>       | Widespread                |
| Orchard Oriole         | <i>Icterus spurius</i>          | Cano Negro                |
| Yellow-billed Cacique  | <i>Amblycercus holosericeus</i> | Rancho N                  |
| Scarlet-rumped Cacique | <i>Cacicus uropygialis</i>      | Bosque del Cabo           |
| Chestnut-headed        | <i>Psarocolius wagleri</i>      | Rancho N                  |
| Oropendula             |                                 |                           |
| Montezuma Oropendula   | <i>Psarocolius montezuma</i>    | Common in north           |
| [Yellow-bellied Siskin | <i>Carduelis xanthogastra</i>   | Savegre valley]           |
| House Sparrow          | <i>Passer domesticus</i>        | Urban areas               |

## Systematic list 2 – Mammals

An excellent haul of 25 mammal species. Species from previous tours are included in parentheses to provide a complete record of what may be seen during the tour

|                                     |                                 |  |
|-------------------------------------|---------------------------------|--|
| [Central American Woolly Opossum    | <i>Caluromys derbianus</i>      | Near Buena Vista 2018]   |
| Northern Tamandua                   | <i>Tamandua mexicana</i>        | Cano Negro and great views at Bosque del Cabo  |
| Brown-throated Three-toed Sloth     | <i>Bradypus variegates</i>      | Seen well at Bosque del Cabo   |
| Hoffmann's Two-toed Sloth           | <i>Choloepus hoffmanni</i>      | One sleeping at Heliconias   |
| Nine-banded Armadillo               | <i>Dasypus novemcinctus</i>     | Roadkill near Paraiso  |
| [Greater White-lined Sac-winged Bat | <i>Saccopteryx bilineata</i>    | Playa Nicuesa]   |
| [Lesser White-lined Sac-winged Bat  | <i>Saccopteryx leptura</i>      | Tirimbina, paler fur]]   |
| [Greater Spear-nosed Bat            | <i>Phyllostomus hastatus</i>    | Playa Nicuesa  |
| Orange Nectar-feeding Bat           | <i>Lonchophylla robusta</i>     | Seen well at feeders at Rancho Naturalista   |
| Nectar-feeding Bat                  | <i>Glossophaga soricina</i>     | Probably mixed in with Orange-nectar Bat at Rancho Naturalista                                       |
| Common Vampire Bat                  | <i>Desmodus rotundus</i>        | A few in a tree hollow at Heliconias   |
| White-throated Capuchin             | <i>Cebus capuchinus</i>         | Bosque del Cabo  |
| Mantled Howler                      | <i>Alouatta palliate</i>        | Widespread   |
| Central American Spider Monkey      | <i>Ateles geoffroyi</i>         | A troop came over us on walkway at Heliconias, common at Bosque del Cabo                             |
| Central American Squirrel Monkey    | <i>Saimiri oerstedii</i>        | A small troop near Carbonera   |
| Red-tailed Squirrel                 | <i>Sciurus granatensis</i>      | Widespread   |
| Variiegated Squirrel                | <i>Sciurus variegatoides</i>    | Widespread in north  |
| Dusky Rice Rat                      | <i>Melanomys caliginosus</i>    | One around bird feeders at Rancho N  |
| [Tome's Spiny Rat                   | <i>Proechimys semispinosus</i>  | In woodpile at Playa Nicuesa 2017, but probably this species which appeared during dinner one night] |
| [Forest Spiny Pocket Mouse          | <i>Heteromys desmarestianus</i> | Near Heliconias on nightwalk 2016]   |
| [Mexican hairy Porcupine            | <i>Coendou mexicanus</i>        | Seen well at Tirimbina 2016]   |

|                              |                            |  |
|------------------------------|----------------------------|--|
| Central American Agouti      | <i>Dasyprocta punctata</i> | Widespread and common  |
| Eastern Cottontail           |                            | Buena Vista  |
| [Northern Raccoon            | <i>Procyon lotor</i>       | Playa Nicuesa – but maybe Crab-eating Raccoon, not seen well enough to be sure.] |
| White-nosed Coati            | <i>Nasua narica</i>        | Seen well in several places  |
| Kinkajou                     | <i>Potos flavus</i>        | A glimpse at Heliconias  |
| Tayra                        | <i>Eira barbara</i>        | Seen quite well at Rancho N, also Bosque del Cabo                                |
| [Southern River Otter        | <i>Lutra longicaudus</i>   | River at La Mina, where two were watched at length. Also at Playa Nicuesa. 2016] |
| [Collared Peccary            | <i>Tayassu tajacu</i>      | Rather poor views at Playa Nicuesa]  |
| [Baird's Tapir               | <i>Tapirus bairdii</i>     | A male laying down beneath the walkway at Buena Vista. 2016]                     |
| [Pantropical Spotted Dolphin | <i>Stenella attenuata</i>  | Boat ride in to Playa Nicuesa]   |
| [Bottle-nosed Dolphin        | <i>Tursiops truncatus</i>  | Boat ride out!]  |

## Systematic list 3 – Reptiles

An excellent total of (a tour best) fifty-six+ species of reptiles and amphibians were seen during the tour. Species from previous tours are included in parentheses to provide a complete record of what may be seen during the tour.

|                                |                                    |  |
|--------------------------------|------------------------------------|--|
| [Pacific Green Turtle          | <i>Chelonian mydas</i>             | Two as we flew into Puerto Jimenez.]   |
| Common Slider                  | <i>Trachemys scripta</i>           | Cano Negro   |
| [Red-faced Mud Turtle          | <i>Kinosternum scorpioides</i>     | One crossing the road en route to Cano Negro, Playa Nicuesa]   |
| [Central American Banded Gecko |                                    | Buena Vista 2015]  |
| Yellow-headed Gecko            | <i>Gonatodes albogularis</i>       | Bosque del Cabo  |
| Turnip-tailed Gecko            | <i>Thecadactylus rapicauda</i>     | Bosque del Cabo, large gecko with swollen tail   |
| [Leaf-toed Gecko               | <i>Phyllodactylus tuberculosus</i> | Buena Vista, definitely this species despite being out of habitat (preferring rocks this was on a tree)]                                 |
| House Gecko                    | <i>Hemidactylus frenatus</i>       | Widespread in buildings, an Asian import   |
| [Spotted Gecko                 |                                    | Heliconias]  |
| Common Basilisk                | <i>Basiliscus basiliscus</i>       | Sleek and swift lizard capable of sprinting across water. La Cusinga, Bosque del Cabo.   |
| Striped Basilisk               | <i>Basiliscus vittatus</i>         | Laguna Lagartos  |
| Green Basilisk                 | <i>Basiliscus plumifrons</i>       | Cano Negro, Laguna Lagartos  |
| Black Spiny Iguana (Ctenosaur) | <i>Ctenosaura similis</i>          | Buena Vista  |
| [Lesser Ctenosaur              | <i>Ctenosaura quinquecarinata</i>  | Buena Vista (along roadside)]  |
| Green Iguana                   | <i>Iguana iguana</i>               | Magnificent lizard with both bright green juveniles and larger older specimens at Cano Negro and Iguana Café, Bosque del Cabo (juvenile) |
| Green Tree Anole               | <i>Norops biporcatus</i>           |  |
| Anoles                         | <i>Norops spp</i>                  | Several other species seen but not identified, the genus as a whole are difficult and individuals need to be carefully examined          |
| Ground Anole                   | <i>Norops humilis</i>              | Laguna Lagartos  |
| Slender Anole                  | <i>Norops limifrons</i>            | Laguna Lagartos, Rancho N, possibly elsewhere too (white dewlap)   |
| [Canopy Anole                  | <i>Norops lemurinus</i>            | Tirimbina, broad yellow stripe down back]  |
| Golfo Dulce Anole              | <i>Norops polylepis</i>            | Common at Bosque del Cabo, orange dewlap, females more cryptically marked  |
| Pug-nosed Anole                | <i>Norops capito</i>               | Laguna Lagartos, superb camouflage   |
| Litter Skink                   | <i>Sphenomorphus cherrei</i>       | Bosque del Cabo  |
| [Highland Alligator Lizard     | <i>Mesaspis monticola</i>          | One on Cerro de la Muerte 2013]  |

|                                     |                                   |   |
|-------------------------------------|-----------------------------------|---|
| Central American Whip-tailed Lizard | <i>Ameiva festiva</i>             | Widespread, single central stripe, a broad band in adults. Young with blue tails.                     |
| [Four-striped Whip-tailed Lizard    | <i>Ameiva quadrilineata</i>       | Easily overlooked in favour of <i>festiva</i> . Two pairs of parallel stripes. Young with blue tails] |
| Barred Whiptail                     | <i>Ameiva undulata</i>            | Buena Vista]  |
| Green Spiny Lizard                  | <i>Sceloporus malachiticus</i>    | Near Rancho N   |
| Northern Cat-eyed Snake             | <i>Leptodeira septentrionalis</i> | Adolfo's garden, Heliconias   |
| Central American Coral Snake        |                                   | Heliconias  |
| [Barred Forest Racer                | <i>Dendrophidion vinitor</i>      | Tirimbina (LOH)]  |
| [Checkered Earth Snake              | <i>Virginia sp</i>                | Heliconias]   |
| Green Rat Snake                     | <i>Senticolis triaspis</i>        | Buena Vista   |
| [Red Coffee Snake                   | <i>Ninia sebae</i>                | Tirimbina & Buena Vista, red body, yellow collar]   |
| Blunt-headed Vine Snake             |                                   | Heliconias, very slender.]  |
| Lichen-coloured Snail-eating Snake  |                                   | Heliconias  |
| [Hog-nosed Pit-viper                | <i>Pothidium nasutum</i>          | Tirimbina, brown morph]   |
| Eye-lash Pit-viper                  | <i>Botroides schengeli</i>        | Heliconias  |
| [Fer-de-Lance                       | <i>Bothrops asper</i>             | Big one at Tirimbina]   |
| [Green Parrot Snake                 |                                   | Tirimbina]  |
| [Boa constrictor                    | <i>Boa constrictor</i>            | Large one preparing to moult at Playa Nicuesa]  |
| Spectacled Caiman                   | <i>Caiman crocodilus</i>          | Seen well at Cano Negro   |
| American Crocodile                  | <i>Crocodylus acutus</i>          | Tarcoles river  |

## Systematic list 4 – Amphibians

|                                |  |  |
|--------------------------------|--|--|
| Giant Toad                     | <i>Rhinella marinus</i>                  | The infamous Cane Toad, here in its' native habitat but no less rare or huge, Buena Vista, Bosque del Cabo |
| [Green Climbing Toad           | <i>Incilius coniferus</i>                | One at Rancho N]   |
| [Gulf Coast Toad               | <i>Incilius valiceps</i>                 | Playa Nicuesa, similar to Wet Forest Toad]   |
| Wet Forest Toad                | <i>Incilius melanochlorus</i>            | Adolfo's garden, bark triangular marks on the back   |
| [Litter Toad                   | <i>Rhaebo haemeticus</i>                 | Bijagua frog garden, dark sides to face]   |
| Emerald Glass Frog             | <i>Centrolenella prosoblepon</i>         | Adolfo's garden – but not wild   |
| [Powdered Glass Frog           | <i>Tetrohyla pulverata</i>               | Bijagua frog garden]   |
| Green-and-black Poison Frog    | <i>Dendrobates auratus</i>               | La Cusinga   |
| Strawberry Poison Frog         | <i>Dendrobates pumilio</i>               | Gorgeous little red frog common at Laguna Lagartos   |
| Red-eyed Leaf Frog             | <i>Agalychnis callidryas</i>             | The quintessential Costa Rican frog seen at close quarters at Adolfo's garden                              |
| [Brilliant Forest Frog         | <i>Rana warszewitschii</i>               | Brown frog with some colourful markings on legs. Tirimbina]  |
| Forrer's Leopard Frog          | <i>Lithobates forreri</i>                | Buena Vista  |
| Hourglass Frog                 | <i>Dendropsophus ebraccatus</i>          | Heliconias   |
| [Rosenberg's Tree Frog         | <i>Hysiboas rosenbergii</i>              | Playa Nicuesa]   |
| [Crowned Tree Frog             | <i>Anotheca spinosa</i>                  | A rare and impressive species, Rancho N]   |
| Masked Tree Frog               | <i>Smilisca phaeota</i>                  | Medium-sized frog, with some green at least on the face and dark mask behind the eye. Heliconias.          |
| Drab Tree Frog                 | <i>Smilisca sordida</i>                  | A darker species at Heliconias, probably this species  |
| Tawny Tree Frog                | <i>Smilisca puma</i>                     | Heliconias (forest), greyish with marbling   |
| Pygmy Rain Frog                | <i>Pristimantis ridens</i>               | Heliconias, darker band on rear of back]   |
| Bransford's Litter Frog        | <i>Eleutherodactylus bransfordii</i>     | Laguna Lagartos, Heliconias. Widespread in leaf litter, variable pattern                                   |
|                                | <i>Eleutherodactylus caryophyllaceus</i> | Heliconius night walk, the common rain frog there  |
|                                | <i>Eleutherodactylus cerasinus</i>       | Rancho N   |
| Rain Frogs                     | <i>Eleutherodactylus spp</i>             | Various species of this difficult genus seen.  |
| Common Rain Frog               | <i>Eleutherodactylus fitzingeri</i>      | Yellow stripe down back  |
| [Noble's Rain Frog             | <i>Eleutherodactylus noblei</i>          | Tirimbina, golden snout, dark body]  |
| [Dink Frog                     | <i>Diasporus diastema</i>                | One at Rancho N on nightwalk]  |
| Olive-snouted Tree Frog        | <i>Scinax elaeochroa</i>                 | Adolfo's garden, yellowish with tan stripes  |
| [Boulenger's Snouted Tree Frog | <i>Scinax boulengeri</i>                 | Tirimbina, small tree frog with green and rough skin]  |

[Savage's Thin-fingered Frog

*Leptodactylus savageii*

Truly huge frog (four times the bulk of a giant toad!) with red eye shine. Tirimbina, Playa Nicuesa Formerly known as Central American Bullfrog or Smoky Jungle Frog *L. pentadactylus*]



## Systematic list 5 – Butterflies

Species seen in previous years but not this year are in parentheses to give a full picture of what is possible during the tour.

### ***Papilionidae***

*Eurytides protesilaus*

*Parides arcas*

Cattleheart

Buena Vista

Scattered, various *Parides* were seen during the tour, but could not be identified, though the various forms of this species were almost certainly seen elsewhere too.

*Parides ipiphanes*

*Parides eurimedes*

*Papilio cresphontes/thoas*

Giant/Phoas Swallowtail

Cerro Silencio road

Rancho N?

Buena Vista a typical swallowtail

*Papilio polyxenes*

[*Papilio androgeus*

[*Battus polydamus*

Cerro Silencio road

Rancho N]

Buena Vista]

### ***Pieridae***

*Anteos chlorinde*

[*Aphrissa statira*

Buena Vista, Heliconias

A few at Playa Nicuesa, by the coast and usually in small groups chasing one another]

*Appias drusilla*

Florida White

Laguna Lagartos, etc

*Eurema albura*

*Eurema daira*

Barred Yellow

Heliconias

Probably widespread

[*Eurema xanthochlora*

*Phoebis argante*

Apricot Sulphur

Rancho N]

Widespread orange or yellow-winged large

*Phoebis philea*

*Phoebis rurina*

Large orange species

Widespread

*Phoebis sennae*

[*Catasticta cerberus*

Cloudless Sulphur

Widespread

Providencia road]

[*Catasticta strigosa*

*Catasticta prioneris*

Courting pair at Rancho N]

Possibly this species in canopy at Heliconias

### ***Nymphalidae***

***Charaxinae***

*Prepona omphale*

Showy blue upperwings, settles on tree trunks, fast flying. One at Buena Vista walkway

[*Archaeoprepona*

*amphimaca/demophon*

Bosque del Cabo. High flyers. Similar to *Prepona*.]

[*Memphis pithyusa*

Playa Nicuesa]

***Nymphalinae***

[*Hamadryas laodamia*

Starry Cracker

Stunner. Playa Nicuesa and botanic garden]

|  |   |  |
|--|---|--|
| [ <i>Hamadryas feronia</i>   | Variable Cracker                          | Buena Vista, Tirimbina, etc. typically settle head down on tree trunks]                                      |
| [ <i>Hamadryas glauconome</i><br><i>Marpesia berania</i>                             | Glaucous Cracker<br>Guatemalan Daggerwing | Playa Nicuesa]<br>Playa Nicuesa, orange with narrow bands, taking salts at low tide                          |
| <i>Marpesia alcibaides</i>   |   | Brown with bands, Playa Nicuesa  |
| [ <i>Marpesia marcella</i>   |   | Stunning species, orange with purple patch, Cerro Silencio road]   |
| [ <i>Catonephele mexicana</i><br><i>Callicore lyca</i>                               |   | Playa Nicuesa]<br>From canopy at Heliconias  |
| [ <i>Callicore pacifica</i><br>[ <i>Diaethria anna</i><br><i>Diaethria marchalii</i> |   | Playa Nicuesa, fast flying and not seen well]<br>Beautiful '88' at Playa Nicuesa]<br>Cerro Silencio road     |
| [ <i>Dynamine salpensa</i>   |   | Blue upperside, lovely markings beneath, Playa Nicuesa]  |
| <i>Pyrrhogyra otolais</i>  |   | Lovely species, underside mainly white with red borders. Bosque del Cabo                                     |
| [ <i>Adelpha leucophthalma</i><br>[ <i>Adelpha cytherea</i>                          |   | Heliconias , brown with white and orange band]<br>Cerro Silencio road, brown white band and orange tips]     |
| <i>Siproeta epaphus</i>  | Rusty-tipped Page                         | Cerro Silencio road  |
| <i>Siproeta stelenes</i>   | Malachite                                 | Seen well at Buena Vista   |
| [ <i>Eunica excelsa</i>  |   | Stunning iridescent violet species at Playa Nicuesa]   |
| <i>Smyrna blomfieldia</i><br><i>Anartia fatima</i>                                   | Blomfield's Beauty<br>Banded Peacock      | Buena Vista<br>Widespread in open areas, roadsides   |
| <i>Anartia jatrophae</i>   | White Peacock                             | Widespread in open areas, very pale grey   |
| [ <i>Vanessa virginiensis</i><br>[ <i>Tigridia acesta</i>                            | American Painted Lady                     | Providencia road]<br>A couple settling on trees at Heliconias]   |
| <b><i>Melitaeinae</i></b><br>[ <i>Chlosyne poecile</i>                               |   | Tirimbina]   |
| [ <i>Chlosyne hippodrome</i>   | Simple Patch                              | Stunning black underside with gold and red markings, Buena Vista en route to spa]                            |
| <i>Chlosyne lacinia</i><br>[ <i>Erisia mechanitis</i><br>[ <i>Tegosa anieta</i>      |   | Buena Vista, Bosque del Cabo<br>A tigerwing mimic, Playa Nicuesa]<br>Small orange, Rancho N in pasture]      |
| <b><i>Heliconiinae</i></b><br>[ <i>Dryadula phaetusa</i>                             | Banded Orange<br>Heliconian               | Tirimbina]   |
| <i>Dryas iulia</i> ssp. <i>moderata</i>  | Julia Heliconian                          | Widespread, sickle-winged orange butterfly   |
| <i>Dione junio</i><br>[ <i>Dione moneta poeyii</i>                                   |   | Bosque del Cabo, orange upper with black bar<br>Above El Toucanet fast flying orange with marbled underside] |

|   |   |  |
|---|---|--|
| <i>Heliconius ismenius</i> ssp.<br><i>clarescens</i>  | Tiger Heliconian                          | Widespread, orange and black,  |
| <i>Heliconius hecale</i> ssp. <i>zuleika</i>  | Heart-spotted Heliconian                  | Widespread, reddish orange and black   |
| <i>Heliconius charitonius</i><br><i>Heliconius pachinus</i>   |   | Cerro Silencio road, black and cream stripes<br>Bosque del Cabo, black and cream stripes   |
| <i>Heliconius erato</i> ssp. <i>petiverana</i>  | Erato Heliconian                          | Bosque del Cabo, La Cusinga, black with horizontal yellow bar and vertical red bars  |
| <i>Heliconius cydno</i>   | Grinning Heliconian                       | Rancho N, Laguna Lagartos, Heliconias, black and white with bluish sheen   |
| <b>Acraeinae</b>  |   |  |
| [ <i>Actinote leucomelas</i><br><i>Actinote guatamalensis</i> ]   |   | Providencia road, black with white patches]<br>Fluttery grey species, Tirimbina, settles under leaves]   |
| <b>Ithomiinae</b>   |   |  |
| [ <i>Aeria eurimedia</i><br><i>Mechanitis lysimnia</i><br><i>Mechanitis polymnia</i><br>ssp. <i>isthmia</i> ]         | Confused Tigerwing<br>Disturbed Tigerwing | Pretty black and white species, Playa Nicuesa]<br>Bosque del Cabo<br>Lowland rainforests]  |
| [ <i>Olyras insignis</i> ]  |   | Lovely canopy species at Heliconias, cream and black]  |
| <i>Hypoleria cassotis</i><br>[ <i>Greta andromica</i> ]   |   | Glass wing, Rancho N<br>Ranchio N, a glass wing]   |
| <b>Danainae</b>   |   |  |
| [ <i>Lycorea cleobaea</i> ssp. <i>atergatis</i><br><i>Danaus plexippus</i> ]  | Tiger Mimic-Queen<br>Red Monarch          | ?]<br>Larger monarch, scattered and widespread e.g. Buena Vista, Rancho N  |
| <i>Danaus gilippus</i>  | Queen                                     | Smaller monarch species, Bosque del Cabo   |
| <b>Brassolinae</b>  |   |  |
| [ <i>Caligo atreus</i> ]  | Giant Owl                                 | Tirimbina, prominent yellow band]  |
| <i>Caligo memnon</i><br><i>Caligo brasiliensis sulanus</i><br><i>Catoblepia orgetorix</i><br><i>Opsiphanes cassia</i> |   | Buena Vista, an owl butterfly<br>Bosque del Cabo, La Cusinga<br>Stunning owl-type, Laguna Lagartos<br>Buena Vista, some orange bands in flight, cryptic beneath, settles on trunks |
| <b>Morphinae</b>  |   |  |
| <i>Morpho cypris</i>  |   | Amazing gold underside shing blue upper,<br>Laguna Lagartos  |
| <i>Morpho menelaus amathonte</i>  | Blue Morpho                               | Laguna Lagartos, Bosque del Cabo, pure shining blue males  |
| <i>Morpho helenor peleides</i>  | Common Morpho                             | Buena Vista, Rancho N, Bosque del Cabo heavy black border  |
| [ <i>Morpho theseus</i> ]   | Short-tailed Morpho                       | One flying at Tirimbina, white.]   |

|   |                       |  |
|---|-----------------------|--|
| [ <i>Anthirrhya militiades</i>            |                       | Tirimbina, settling on leaf litter, superb camouflage]                                 |
| [ <i>Antirrhya tomasia</i>                |                       | Very similar, Playa Nicuesa]   |
| <b>Satyrinae</b>                          |                       |  |
| <i>Pierella luna</i>                      | Quiet Diaph           | Bosque del Cabo, all brown   |
| <i>Pierrella helvetia</i>                 |                       | Rancho N, large pinkish hindwing patch   |
| <i>Cissia confusa</i>                     |                       | Laguna Lagartos, banded understorey species,   |
| <i>Cissia libye</i>                       |                       | Laguna Lagartos  |
| [ <i>Cissia pseudoconfusa</i>             |                       | Buena Vista]   |
| <i>Cissia metaleuca</i>                   |                       | Rancho N, white bands – open areas   |
| <i>Cissia similis</i>                     |                       | Laguna Lagartos, rather plain species  |
| [ <i>Cyllopsis philodice</i>              |                       | Providencia road, smallish with cream band, settles in inclined position]              |
| [ <i>Paraeuptychia metaleuca</i>          |                       | Playa Nicuesa]   |
| [ <i>Dulcedo polita</i>                   |                       | Delightful clearwing, Tirimbina]   |
| <i>Cithaereas pireta</i>                  | Blushing Phantom      | Clearwing with pink hindwing, Rancho N   |
| [ <i>Eretris hulda</i>                    |                       | Providencia road   |
| [ <i>Euptychia insolata</i>               |                       | Small species with red bands on grey, one ocellus much larger. Playa Nicuesa]          |
| <i>Euptychia jesia</i>                    |                       | Small species with red spot on hindwing, Laguna Lagartos                               |
| <i>Chloreuptychia arnaea</i>              |                       | Shining blue hindwing, reddish bands on underside. Laguna Lagartos                     |
| <i>Taygetis andromeda</i>                 |                       | Rancho N   |
| <i>Hermeuptychia hermes</i>               |                       | Very common dull brown species in pasture and open areas                               |
|   |                       | <b>Few lycaenids stayed still long enough to be photographed!</b>                      |
| <b><i>Lycaenidae</i></b>                  |                       |  |
| <i>Arawacus togarna</i>                   | Chiapas Stripestreak  | Bosque del Cabo, Rancho N  |
| <i>Callicopsis drusilla</i>               | Fields's Groundstreak | Common at Buena Vista, Laguna Lagartos tiny with red markings                          |
| [ <i>Hemiargus ceraunus</i>               | Ceraunus Blue         | Buena Vista]   |
| <i>Everes comyntas</i> ssp. <i>texana</i> | Eastern Tailed Blue   | Carbonera  |
| <i>Janthecla cydonia</i>                  |                       | Bosque del Cabo  |
| <i>Strymon ziba</i>                       |                       | Bosque del Cabo  |
| <b><i>Riodinidae</i></b>                  |                       |  |
| <i>Eurybia lysica</i>                     |                       | Large blue hindwing patches, prominent 'eyes' on forewing, Laguna Lagartos, La Cusinga |
| <i>Emesis aurimna</i>                     |                       | Slate grey upper, golden under, Buena Vista  |
| <i>Hades noctua</i>                       | White-rayed Metalmark | Rancho N, black with white rays, red patch   |
| <i>Mesosemia zonalis</i>                  |                       | La Cusinga, white wing patch   |
| <i>Mesosemia monachus</i>                 |                       | Laguna Lagartos, shining blue hingwing   |

|  |   |  |
|--|---|--|
| [ <i>Juditha caucana</i><br>[ <i>Perophtalma</i> sp<br>[ <i>Perophtalma lasus</i>  | Common Lemmark  | Playa Nicuesa]<br>Small white banded species Playa Nicuesa]<br>Heliconias, settling under leaves, dull brown.<br>Possibly this species]<br>Bosque del Cabo |
| <i>Theope publius</i>  |   |  |
| <b><i>Hesperiidae</i></b>  |   |  |
| <i>Urbanus teleus</i>  | Teleus Longtail   | Scattered, this and probably other similar species.<br>Buena Vista<br>Bosque del Cabo, Laguna Lagartos<br>Bosque del Cabo<br>Playa Nicuesa]                |
| <i>Urbanus procne</i><br><i>Urbanus tanna</i><br>[ <i>Urbanus esmeraldus</i><br>[ <i>Astrartes fulgerator</i> ssp. <i>azul</i> | Two-barred Flasher  | Brief views along Cerro Silencio road, large blue<br>bodied skipper]<br>Providencia road]  |
| [ <i>Perichares</i> sp<br>[ <i>Bolla cunieiceps</i>  | Rubyeye sp<br>Golden-headed Bolla                                 | Fine spreadwing species on beach at Playa<br>Nicuesa, prominent golden head.]<br>Rancho Naturalista, on <i>Stachytarpetta</i> .                            |
| <i>Nascus phintias</i><br><i>Gorgythion begga</i><br><i>Bolla</i> sp<br><i>Sostrata bifasciata</i>                             | Schaus' Scarlet-eye<br>Variegated Skipper<br>Blue-studded Skipper | Laguna Lagartos<br>Bosque del Cabo<br>Bosque del Cabo  |

## Other invertebrates

|                                 |  |  |
|---------------------------------|--|--|
| <i>Pseudosphinx tetrio</i>      | Frangipani Hawk Moth                   | Huge, black and red banded caterpillars at Bosque del Cabo.                  |
| <i>Archaria nesia</i>           |  | Wonderful grey and white caterpillars, Bosque del Cabo                       |
| <i>Archaria stimulans</i>       |  | Amazing green and black caterpillar with 'window', Adolfo's garden           |
| [ <i>Megaloprepus coeruleus</i> | Blue Helicopter<br>Damsel fly          | Spectacular insect, seen well at Tirimbina]                                  |
| <i>Mecistogaster sp</i>         | Yellow-tipped Helicopter<br>Damsel fly | Bosque del Cabo, Laguna Lagartos. Watched hunting for spiders in their webs! |
| [ <i>Choeradodis stalii</i>     | Hooded Mantis                          | Rancho N]  |
| <i>Brachypelma smithii</i>      | Orange-kneed Tarantula                 | Three big beauties at Rancho N   |
| <i>Nephila clavipes</i>         | Orb-web spider<br>Arrowhead Spider     | Large webs, females green with yellow spots<br>Bosque del Cabo               |