



BRAZIL

CERRADO; BRASILIA, GOIAS, MINAS GERAIS

JANUARY 10TH - FEBRUARY 17TH 2019

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In early 2019 I spent a very enjoyable six weeks working as a field assistant to Lia Kajiki, a PhD student at the University of Brasilia studying Helmeted Manakins (more information can be found here: <https://openexplorer.nationalgeographic.com/expedition/helmeted-manakin/>). Although fieldwork took a large portion of our time, we also enjoyed some excellent birding in the field site and around the wider Brasilia area. Compared to other South American environments the Cerrado grassland found here is not as often visited by foreign birders but it has a wide range of excellent species, many of which are restricted to this type of wooded savanna. The fieldwork we undertook involved nest searching in the gallery forests for nests, and setting up mist nets in an attempt to capture Helmeted Manakin individuals.

LOGISTICS

Flights

I flew with TAP Portugal from Manchester to Brasilia via Lisbon. Brasilia has only four international departure gates, with all the other flights I looked at going via another Brazilian city. The return flights cost £750, which included one piece of 20kg luggage. The only downside to these flights was a 13 hour wait in Lisbon on my outbound flight.

Travelling around

Lia was waiting for me in the airport, and from there we travelled to the field school in the Fazeda Agua Limpa Protected Area which would be our accommodation for the next six weeks. We used Lia's car, a Peugeot 206 with a 08 registration, for all our transport needs, and it managed almost all the roads we attempted during our trip; offering an indication that the vast majority of roads are passable if care is taken.

Living costs

Living expenses in Brazil are extremely low. Food costs were generally low, either grocery shopping to do our own cooking at the field centre or going out for meals at small local restaurants. Petrol was not particularly expensive compared to the UK, and on the occasions where we did use hotels we also found them to be cheap for what was included.

Literature

The main field guide we used was the 'Wildlife Conservation Society Birds of Brazil: The Pantanal and Cerrado of Central Brazil' (ISBN-13: 978-0801476464) and this was our main source of literature for this area. It is a very good field guide, with plates that accurately demonstrate the key features used to identify most species. The only issue I found using this book was that the distribution maps are occasionally a little outdated. Ebird data was also useful for finding where to see species.

Playback was an extremely useful tool throughout the trip, and many species we only saw because we utilized playback. Birds respond quickly to Tropical Pygmy Owl call, often drawing in large mixed flocks of birds.

Boa Constrictor *Boa constrictor* Fazenda Agua Limpa



Top left: **Red-legged Seriema** *Cariama cristata* Fazenda Agua Limpa. Top right: **Gray-fronted Dove** *Leptotila rufaxilla* Fazenda Agua Limpa. Middle left: **Gray-hooded Flycatcher** *Mionectes rufiventris* Fazenda Agua Limpa. Middle right: **Helmeted Manakin** *Antilophia galeata* Fazenda Agua Limpa. Bottom left: **Sharp-tailed Streamcreeper** *Lochmias nematura* Fazenda Agua Limpa. Bottom right: **Rufous-capped Motmot** *Baryphthengus ruficapillus* Fazenda Agua Limpa





Capybara *Hydrochoerus hydrochaeris* Fazenda Agua Limpa

Most of the birding we did around Brasilia was at the same location that we were staying, the Fazenda Agua Limpa Protected Area. However, we did visit other sites to target species more local to this region and these sites are more likely to be useful to visiting birders

SITE LIST

Fazenda Agua Limpa

-15.942655, -47.940047

The majority of our time was spent here; either doing fieldwork or birding casually once our day's fieldwork was completed. Unfortunately for any visiting birders access to the park and farm is restricted. However, the majority of birds listed here may be found in the Botanical Garden of Brasilia, which shares the same vegetation.

The park itself is an area of open Cerrado, with strips of Gallery forest following small woodland streams (-15.952300, -47.948158). On the northern edge of the park there is also a small dam which is home to a group of Capybaras. Around the park are tracks which are suitable for almost any vehicle. Footpaths can be found around the Cerrado and Gallery Forest but many are small and easily missed. Most of the species we observed could be seen following main footpaths of following

the forest streams. It is easy to explore the woodland and Cerrado away from the tracks, but be aware that there are large numbers rattlesnakes in the park. Because we spent so much time in the park, we did encounter a lot of species, but a number of highlights include; **Sharp-tailed Streamcreeper**, **Streaked Xenops**, **Russet-mantled Foliage-Gleaner** and **Yellow-faced Amazon Parrot**. All the ringing that we undertook as part of the fieldwork was done within the parks gallery forests. A couple of night drives were undertaken through the Cerrado with reasonable success, seeing **Paraque**, **Little Nightjar** and **Scissor-tailed Nightjar**.

The farm is a mixture of arable and livestock, meaning a wide variety of habitats for different species (-15.949020, -47.932556). Between the fields and buildings are small patches of Cerrado which can be good for a number of birds; **Red-crested Finch** and **Rusty-backed Antwren**. The farm work meant that there were often a number of small

patches of surface water; either puddles or flowing water. The soil turnover from the farm work also contributed to the wide range of species that could be found here, with species hunting around the fields looking for insects; **Chopi Blackbird**, **White-rumped Monjita** and **Pearl Kite**. Any small patches of grassland and forest around the fringes of the farm were the perfect habitat to find the **Brasilia Tapaculo** (-15.945989, -47.937898), an endangered species found only in this region.

Species List:

Faza de Agua Limpa: Undulated Tinamou, Brazilian Teal, Rusty-margined Guan, Black-crowned Night-Heron, Cattle Egret, Great White Egret, Whistling Heron, Capped Heron, Green Ibis, Buff-necked Ibis, Turkey Vulture, Black Vulture, King Vulture, Gray-headed Kite, Pearl Kite, White-tailed Kite, Plumbeous Kite, Bicolored Hawk, Roadside Hawk, White-tailed Hawk, Short-tailed Hawk, Southern Caracara, Yellow-headed Caracara, Collared Forest-Falcon, American Kestrel, Aplomado Falcon, Gray-necked Wood-Rail, Red-legged Seriema, Southern Lapwing, Ruddy Ground-Dove, Scaled Dove, Blue Ground-Dove, Rock Dove, Picazuro Pigeon, Pale-vented Pigeon, Eared Dove, Gray-fronted Dove, Blue-and-yellow Macaw, White-eyed Parakeet, Peach-fronted Parakeet, Blue-winged Parrotlet, Yellow-chevroned Parakeet, Yellow-faced Amazon Parrot, Turquoise-fronted Amazon Parrot, Squirrel Cuckoo, Smooth-billed Ani, Guira Cuckoo, Barn Owl, Tropical Screech-Owl, Burrowing Owl, Common Potoo, Pauraque, Little Nightjar, Scissor-tailed Nightjar, Sick's Swift, Fork-tailed Palm-Swift, Swallow-tailed Hummingbird, White-vented Violet-ear, Fork-tailed Woodnymph, Glittering-throated Emerald, Amethyst Woodstar, Ringed Kingfisher, Rufous-capped Motmot, Rufous-tailed Jacamar, Spot-backed Puffbird, Toco Toucan, Channel-billed Toucan, Chestnut-



Gray-headed Kite *Leptodon cayanensis* Fazenda Agua Limpa

eared Aracari, White-wedged Piculet, Little Woodpecker, Campo Flicker, Crimson-crested Woodpecker, Barred Antshrike, Rufous-winged Antshrike, Variable Antshrike, Plain Antvireo, Black-capped Antwren, Rufous Gnateater, Brasilia Tapaculo, Olivaceous Woodcreeper, Narrow-billed Woodcreeper, Rufous Hornero, Sooty-fronted Spinetail, Pale-breasted Spinetail, Ochre-cheeked Spinetail, Russet-mantled Foliage-gleaner, Buff-fronted Foliage-gleaner, Sharp-tailed Streamcreeper, Streaked Xenops, Gray-hooded Flycatcher, Sepia-capped Flycatcher, Southern Antpipit, Common Tody-Flycatcher, Planalto Tyrannulet, Olivaceous Elaenia, Plain-crested Elaenia, Southern Beardless-Tyrannulet, Yellow-olive Flycatcher, White-throated Spadebill, Bran-colored Flycatcher, Euler's Flycatcher, Tropical Peewee, Gray Monjita, White-rumped Monjita, Long-tailed Tyrant, Cattle Tyrant, Piratic Flycatcher, Rusty-margined Flycatcher, Great Kiskadee, Lesser Kiskadee, Streaked Flycatcher, Boat-billed Flycatcher, Variegated Flycatcher, Crowned Slaty Flycatcher, White-throated Kingbird, Tropical Kingbird, Rufous Casiornis, Short-crested Flycatcher, Pale-bellied Tyrant-Manakin, Helmeted Manakin, Greenish Schiffornis, White-winged Becard, Rufous-browed Peppershrike, Chivi Vireo, Curl-

crested Jay, Blue-and-white Swallow, Grey-breasted Martin, Southern House-Wren, Grass Wren, Buff-breasted Wren, Masked Gnatcatcher, Veery, Rufous-bellied Thrush, Pale-breasted Thrush, Creamy-bellied Thrush, White-necked Thrush, Chalk-browed Mockingbird, Bananaquit, Black-faced Tanager, Hooded Tanager, Orange-headed Tanager, Black-goggled Tanager, Hepatic Tanager, Gray-headed Tanager, White-lined Tanager, Silver-beaked Tanager, Sayaca Tanager, Palm Tanager, Burnished-buff Tanager, Blue Dacnis, Guira Tanager, Rufous-collared Sparrow, Grassland Sparrow, Stripe-tailed Yellow-Finch, Saffron Finch, Grassland Yellow-Finch, Blue-black Grassquit, Plumbeous Seedeater, Yellow-bellied Seedeater, Double-collared Seedeater, White-bellied Seedeater, Saffron-billed Sparrow, Pileated-Finch, Red-crested Finch, Buff-throated Saltator, Green-winged Saltator, Tropical Parula, Masked Yellowthroat, White-bellied Warbler, Flavescent Warbler, White-striped Warbler, Variable Oriole, Chopi Blackbird, Shiny Cowbird, Purple-throated Euphonia, Violaceous Euphonia, Common Waxbill, House Sparrow,

Altiplano Leste

-15.8457655, -47.7274847

This is an open area to the southeast of Brasilia. The habitat is very similar to the park at Fazenda Agua Limpa; with open Cerrado, horse paddocks and gallery forest. The overall environment has much greater variations in gradient than the park, with rolling hills and valleys. The roads were tricky to navigate, and many were in less than perfect condition. We stopped at a number of locations along the way as we looked for different species.

The variation within the Cerrado habitat, as well as the dense gallery forest and sizable river below meant a much wider variety of species that could be found here. Cerrado specialities such as **Cinereous Warbler Finch**, **Sharp-tailed Grass Tyrant**, **Blue Finch** (-15.847274, -47.729842), **Horned Sungem** (-15.842645, -47.716690) and **Ocellated Crike** were all seen at various points here. Playback was used for all the above species, to ensure that we saw them.

Maned Wolf *Chrysocyon brachyurus* Fazenda Agua Limpa



Top left: **Horned Sungem** *Heliactin bilophus* Altiplano Leste. Top right: **Plumbeous Seedeater** *Sporophila plumbea* Altiplano Leste. Middle left: **White-rumped Monjita** *Xolmis velatus* Fazenda Agua Limpa. Middle right: **Blue Finch** *Porphyrospiza caerulescens* Altiplano Leste. Bottom left: **Collared Crescentchest** *Melanopareia torquata* Altiplano Leste. Bottom right: **Ocellated Crane** *Micropygia schomburgkii* Altiplano Leste



Further down the tracks below the altiplano we spent some time birding a small patch of gallery forest adjacent to a more sizable river (-15.837076, -47.710361). Access to this area was more difficult so we used a four-wheeled drive courtesy of one of Lia's friends. Here we encountered species such as **Rufous Gnateater** and **Brown Jacamar**.

Species List:

Altiplano Leste: Black Vulture, Turkey Vulture, Roadside Hawk, White-tailed Hawk, Southern Caracara, Eared Dove, Scaled Dove, Ruddy Ground Dove, Squirrel Cuckoo, Dark-billed Cuckoo, Blue-and-yellow Macaw, White-eyed Parakeet, Yellow-chevroned Parakeet, White-vented Violetear, Horned Sungem, Swallow-tailed Hummingbird, White-eared Puffbird, Ocellated Crane, Grey-breasted Wood-Rail, Rufous-tailed Jacamar, Brown Jacamar, Green Kingfisher, Toco Toucan, Little Woodpecker, Campo Flicker, Collared Crescentchest, Rufous-winged Antshrike, Great Antshrike, Varibale Antshrike, Barred Antshrike, Black-capped Antwren, Olivaceous Woodcreeper, Rusty-backed Spinetail, Pale-breasted Spinetail, Rufous Gnateater, Rufous Hornero, Grey Elaenia, Sharp-tailed Grass-Tyrant, Common Tody-Flycatcher, Crested Black-Tyrant, Cattle Tyrant, Long-tailed Tyrant, Rusty-margined Flycatcher, Rufous Casiornis, Pale-bellied Tyrant Manakin, Helmeted Manakin, Rufous-browed Peppershrike, Grass Wren, Buff-breasted Wren, Masked Gnatcatcher, Pale-breasted Thrush, Grey-breasted Martin, Chalk-browed Mockingbird, Purple-throated Euphonia, White-lined Tanager, Orange-headed Tanager, Sayaca Tanager, Blue Finch, Cinereous Warbling-Finch, Wedge-tailed Grass Finch, Saffron Finch, Pearly-bellied Seedeater, Yellow-bellied Seedeater, Plumbeous Seedeater, Black-throated Saltator, Buff-throated Saltator, Green-winged Saltator,

Paracatu

-17.217607, -46.874419

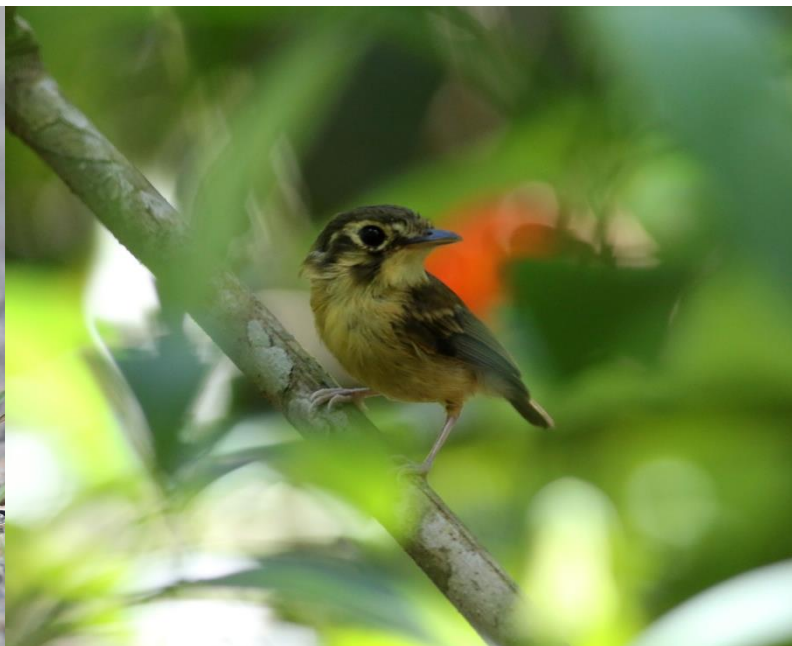
The small city of Paracatu was found in the next state of Minas Gerais. We spent a weekend in this area doing some survey work on a private site for a mining company. Despite the site being private, much of the surrounding Cerrado would be bird-able and it was only in this area that we encountered **Surucua Trogon** and **Red-shouldered Macaw**.

On our drive across to Paracatu we stopped off at a recently developed reservoir (-17.034748, -47.168299) where we had our first encounters with many wetland species; **Muscovy Duck**, **White-faced Whistling Duck** and **Masked Water Tyrant**. Unfortunately most of the birds were very distant from our roadside vantage point; a scope would have been extremely useful at this point. Most of the birds we saw here would have been easy to see at any wetland area.

Campo Flicker *Colaptes campestris* Fazenda Agua Limpa



Top left: **Cattle Tyrant** *Machetornis rixosa* Fazenda Agua Limpa. Top right: **White-throated Spadebill** *Platyrinchus mystaceus* Fazenda Agua Limpa. Middle left: **Crowned-slaty Flycatcher** *Griseotyrannus aurantioatrocristatus* Fazenda Agua Limpa. Middle right: **Fork-tailed Woodnymph** *Thalurania furcata* Fazenda Agua Limpa. Bottom left: **Russet-mantled Foliage Gleaner** *Philydor dimidiatum* Fazenda Agua Limpa. Bottom right: **Aplomado Falcon** *Falco femoralis* Fazenda Agua Limpa



Species List:

Paracatu: White-faced Whistling Duck, Muscovy Duck, Great White Egret, Black Vulture, Turkey Vulture, Roadside Hawk, White-tailed Hawk, Savanna Hawk, Southern Caracara, Southern Lapwing, Picazuro Pigeon, Plain-vented Pigeon, Feral Pigeon, Ruddy Ground Dove, Pale-breasted Ground Dove, Blue Ground Dove, Scaled Dove, Red-shouldered Macaw, Peach-fronted Parakeet, Yellow-chevroned Parakeet, Turquoise-fronted Amazon Parrot, Squirrel Cuckoo, Smooth-billed Ani, Guira Cuckoo, Burrowing Owl, Sick's Swift, Fork-tailed Palm Swift, Swallow-tailed Hummingbird, Amazon Kingfisher, Surucura Trogon, Toco Toucan, Black-capped Antwren, Olivaceous Woodcreeper, Palanto Woodcreeper, Common Tody Flycatcher, Masked Water-Tyrant, White-headed Marsh-Tyrant, Great Kiskadee, Tropical Kingbird, Fork-tailed Flycatcher, Pale-bellied Tyrant Manakin, Helmeted Manakin, Chivi Vireo, Grey-breasted Martin, Rufous-bellied Thrush, White-rumped Swallow, Pale-breasted Thrush, Hooded Tanager, White-lined Tanager, Sayaca Tanager, Palm Tanager, Blue Dacnis, Saffron Finch, Blue-black Grassquit, Yellow-bellied Seedeater, Flavescent Warbler, Shiny Cowbird, White-browed Blackbird, Chestnut-capped Blackbird, Purple-throated Euphonia, House Sparrow,

Terra Ronca

-13.734687, -46.357921

The Terra Ronca (meaning Snoring earth) park is some five hours drive north of Brasilia, but provided an excellent change of scenery and some brilliant new birds. On our way north we stopped off at a small roadside pond (-14.049981, -46.318122) where we had excellent views of **Point-tailed Palmcreeper**. Our drive back to Brasilia from the park was

the only occasion during my stay that we saw **Greater Rhea** (-13.889743, -46.572350).

We spent a weekend birding the park, exploring the plateau in its centre. Terra Ronca itself is famous for its caves, and although we did not do any exploration of these caves we did get to appreciate them in other ways, as the endangered **Pfrimer's Parakeet** was living inside a collapsed cavern. All the birding we did was within walking distance of our lodgings (Pousada Alto da Lapa, which were extremely helpful in organising our guide), which was extremely helpful due to the poor conditions of the road we found when arriving at the park. We hired a local guide to help with the parks footpaths (-13.741254, -46.356959) more than anything as the path to the cavern where we saw the parakeets was extremely difficult to follow. Other species we saw in the park included; **Black-bellied Antwren, Red-and-Green Macaw, Rusty-fronted Nunlet, Jandaya Parakeet** and **Black-capped Tityra**.

Pfrimer's Parakeet *Pyrrhura pfrimeri* Terra Ronca





Blue-and-yellow Macaw *Ara ararauna* MONA do Morro da Pedreira

Species List:

Terra Ronca: Greater Rhea, Small-billed Tinamou, Muscovy Duck, Brazilian Teal, Great White Egret, Cattle Egret, Buff-necked Ibis, Limpkin, Turkey Vulture, Black Vulture, Roadside Hawk, Zone-tailed Hawk, Savannah Hawk, Southern Caracara, Yellow-headed Caracara, American Kestrel, Laughing Falcon, Aplomado Falcon, Ruddy Ground Dove, Blue Ground Dove, Scaled Dove, Picui Ground Dove, Picazuro Pigeon, Pale-vented Pigeon, Plumbeous Pigeon, Gray-fronted Dove, Blue-and-yellow Macaw, Red-and-green Macaw, White-eyed Parakeet, Jandaya Parakeet, Pfrimer's Parakeet, Blue-winged Parrotlet, Yellow-chevroned Parakeet, Scaly-headed Amazon Parrot, Turquoise-fronted Amazon Parrot, Squirrel Cuckoo, Striped Cuckoo, Smooth-billed Ani, Guira Cuckoo, Burrowing Owl, Fork-tailed Palm Swift, Swallow-tailed Hummingbird, Glittering-bellied Emerald, Planalto Hermit, Rufous-tailed Jacamar, Rusty-fronted Nunlet, White-eared Puffbird, Black-fronted Nunbird, Toco Toucan, White-winged Piculette, Little Woodpecker, Crimson-crested Woodpecker, Ochre-backed Woodpecker, White Woodpecker, Planalto Slaty Antshrike,

Black-bellied Antwren, Point-tailed Palmcreeper, Olivaceous Woodcreeper, Planalto Woodcreeper, Narrow-billed Woodcreeper, Rufous Hornero, Sooty-fronted Spinetail, Russet-mantled Foliage Gleaner, Sepia-capped Flycatcher, Common Tody Flycatcher, Cliff Flycatcher, Long-tailed Tyrant, Cattle Tyrant, Social Flycatcher, Great Kiskadee, Boat-billed Flycatcher, Tropical Kingbird, White-throated Kingbird, Rufous Casiornis, Black-capped Tityra, Short-crested Flycatcher, White-naped Jay, Helmeted Manakin, Chivi Vireo, Curl-crested Jay, Blue-and-white Swallow, White-winged Swallow, Masked Gnatcatcher, Rufous-bellied Thrush, Pale-bellied Thrush, White-throated Thrush, Chalk-browed Mockingbird, Bananaquit, Sayaca Tanager, Palm Tanager, Burnished-buff Tanager, Blue Dacnis, Guira Tanager, Purple-throated Euphonia, Saffron Finch, Blue-black Grassquit, Yellow-bellied Seedeater, Lined Seedeater, Grey Pileated Finch, Red-cowled Cardinal, Grayish Saltator, Greenish Saltator, White-bellied Warbler, Crested Oropendula, Yellow-rumped Cacique, Variable Oriole, Campo Troupial, Screaming Cowbird, White-browed Blackbird, House Sparrow,

Botanical Gardens

-15.861601, -47.828621

During my stay we made three visits to the Botanical Gardens to try and see hummingbirds, specifically the **Friiled Coquette** (-15.872949, -47.836847). Unfortunately none of our visits produced sightings, but that may well have been attributable to all our visits being during the afternoon. We rarely saw anything that could not be found elsewhere, but many of the species were more habituated to the presence of people, meaning that we were able to approach birds easier and obtain photos.

Surucua Trogon *Trogon surrucura* Paracatu



Botanical Gardens: Black Vulture, King Vulture, Plumbeous Kite, White-wedged Piculet, Rufous-tailed Jacamar, Yellow-olive Flycatcher, Purple-throated Euphonia, Violaceous Euphonia, Burnished-buff Tanager, Blue Dacnis, Rufous-bellied Thrush, Yellow-bellied Seedeater, Rufous-collared Sparrow,

MONA do Morro da Pedreira

-15.509768, -47.95979

This area of deciduous woodland represented a subtle habitat change and as a consequence we had a number of new species. Our main target for this area was a Sao Francisco or **Caatinga Black Tyrant** (-15.511650, -47.958109), which we found in the woodland directly underneath the Black Vulture colony. The footpath through the fields took us along the fringes of a deciduous woodland valley (-15.510809, -47.955379) and this produced a number of new species; **Sombre Hummingbird**, **Amazonian Motmot** and **Green Barred Woodpecker**. The drive to the site was not ideal due to the poor condition of the road but there should be no problem for most cars. Parking could be found adjacent to the farmhouse, and a five reais payment is expected for the access to the land.

Species List:

MONA do Morro da Pedreira: Pale-vented Pigeon, Picazuro Pigeon, Plumbeous Pigeon, Ruddy Ground Dove, Scaled Dove, Smooth-billed Ani, Squirrel Cuckoo, Sick's Swift, Sombre Hummingbird, Southern Lapwing, Black Vulture, Turkey Vulture, Roadside Hawk, Collared Forest Falcon, Southern Caracara, Yellow-headed Caracara, Amazonian Motmot, Black-fronted Nunbird, Chestnut-eared Acari, Toco Toucan, Green-barred Woodpecker, Yellow-chevroned Parakeet, Blue-winged Parrotlet, Peach-fronted Parakeet, Blue-and-yellow Macaw, White-eyed Parakeet, Planalto

Slaty Antshrike, Planalto Woodcreeper, Rufous Hornero, Pearl-vented Tody-Tyrant, Caatinga Black-Tyrant, Long-tailed Tyrant, Great Kiskadee, Boat-billed Flycatcher, Rusty-margined Flycatcher, Variegated Flycatcher, Tropical Kingbird, Black-tailed Tityra, Crested Becard, Blue-and-white Swallow, Southern Rough-winged Swallow, House Wren, Masked Gnatcatcher, Pale-breasted Thrush, Rufous-bellied Thrush, Crested Oropendula, Variable Oriole, Chopi Blackbird, Palm Tanager, Burnished-buff Tanager, Blue Dacnis, Grey Pileated Finch, Black-throated Saltator,

Lagoa do Descoberto

-15.734663, -48.1805592

This large dam would no doubt have been an amazing birding location, were the weather on our visit any better than frequent torrential storms. The grassy fringes were abundant with **Blue-black Grassquits** and Seed eaters. Open ploughed fields were the area where we searched for **Yellowish Pipit**, but we failed to find any, despite hearing a single individual singing. The reservoir itself was largely void of birdlife, but a reedbed at the northern edge (-15.714187, -48.205075) had a few species; **White-headed Water Tyrant**, **Striated Heron** and a single crane species that we heard calling. Had the weather been more amenable we would no doubt have enjoyed an excellent afternoons birding but sadly that was not how events transpired.

Species List:

Lagoa do Descoberto: White-faced Whistling Duck, Brazilian Teal, Feral Pigeon, Picazuro Pigeon, Ruddy Ground Dove, Scaled Dove, Smooth-billed Ani, White-vented Violetear, Swallow-tailed Hummingbird, Southern Lapwing, Wattled Jacana, Neotropic

Cormorant, Great White Egret, Striated Heron, Burrowing Owl, Ringed Kingfisher, Amazon Kingfisher, Aplomado Falcon, Rufous Hornero, Pale-breasted Spinetail, White-rumped Monjita, Masked Water-Tyrant, White-headed Marsh Tyrant, Tropical Kingbird, Grassland Sparrow, Blue-black Grassquit, Copper Seed eater, Yellow-bellied Seed eater, Double-collared Seed eater, Common Waxbill,

Rodovia DF-330

-15.677275, -47.7369797

This small patch of Cerrado was located well to the north of Brasilia. We stopped here on just one occasion to try and locate **Coal-crested Finch**. Unfortunately only one individual was seen, and only by one member of our party. However, exploring a new area of Cerrado found us a number of other new species, in particular was **Chequered Woodpecker** and **Rufous-fronted Thornbird**. We birded only along the road but the strip of Cerrado is so narrow that there would be little need to explore off-road.

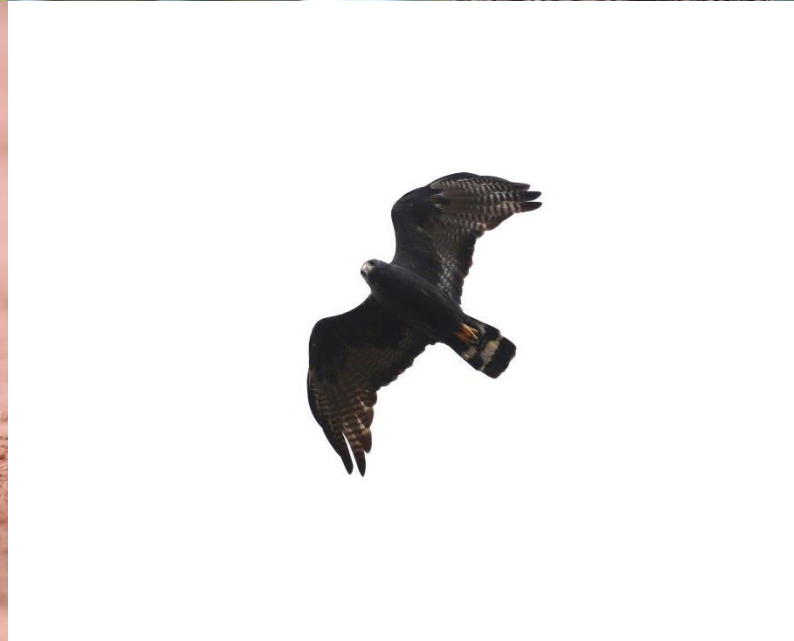
Species List:

Rodovia DF-330: Whistling Heron, Buff-necked Ibis, Picazuro Pigeon, Scaled Dove, Swallow-tailed Hummingbird, Checkered Woodpecker, Rufous-fronted Thornbird, Suiriri Flycatcher, Chalk-browed Mockingbird, Shrike-like Tanager, Blue-black Grassquit,

Avicularia sp. Terra Ronca



Top left: **Planalto-slaty Antshrike** *Thamnophilus pelzelni* Terra Ronca. Top right: **White Woodpecker** *Melanerpes candidus* Terra Ronca. Middle left: **Grassland Yellowfinch** *Sicalis luteola* Fazenda Agua Limpa. Middle right: **Zone-tailed Hawk** *Buteo albonotatus* Terra Ronca. Bottom left: **Toco Toucan** *Ramphastos toco* Fazenda Agua Limpa. Bottom right: **Caatinga Black-Tyrant** *Knipolegus franciscanus* MONA do Morro da Pedreira



COMPLETE SPECIES LIST

BIRDS

Greater Rhea	<i>Rhea Americana</i>	5 on drive returning from TR
Undulated Tinamou	<i>Crypturellus undulatus</i>	1 seen FAL
Small-billed Tinamou	<i>Crypturellus parvirostris</i>	1 seen TR
White-faced Whistling-Duck	<i>Dendrocygna viduata</i>	~50 Dam near Paracatu
Muscovy Duck	<i>Cairina moschata</i>	~30 Dam near Paracatu
Brazilian Teal	<i>Amazonetta brasiliensis</i>	~10 Dam at FAL
Rusty-margined Guan	<i>Penelope superciliaris</i>	Occasional at FAL
Neotropic Cormorant	<i>Phalacrocorax brasilianus</i>	LdD
Black-crowned Night-Heron	<i>Nycticorax nycticorax</i>	1 Dam at FAL
Striated Heron	<i>Butorides striata</i>	3 LdD
Cattle Egret	<i>Bubulcus ibis</i>	Common FAL
Great Egret	<i>Ardea alba</i>	Occasional throughout
Whistling Heron	<i>Syrigma sibilatrix</i>	Occasional throughout
Capped Heron	<i>Pilherodius pileatus</i>	1 FAL
Green Ibis	<i>Mesembrinibis cayennensis</i>	Occasional FAL
Buff-necked Ibis	<i>Theristicus caudatus</i>	Occasional throughout
Turkey Vulture	<i>Cathartes aura</i>	Common throughout
Black Vulture	<i>Coragyps atratus</i>	Common throughout
King Vulture	<i>Sarcoramphus papa</i>	Occasional throughout
Gray-headed Kite	<i>Leptodon cayanensis</i>	1 FAL
Pearl Kite	<i>Gampsonyx swainsonii</i>	1 FAL
White-tailed Kite	<i>Elanus leucurus</i>	Occasional throughout
Plumbeous Kite	<i>Ictinia plumbea</i>	Occasional throughout
Bicolored Hawk	<i>Accipiter bicolor</i>	2 FAL
Savanna Hawk	<i>Heterospizias meridionalis</i>	Common Paracatu & TR
Roadside Hawk	<i>Rupornis magnirostris</i>	Common throughout
White-tailed Hawk	<i>Buteo albicaudatus</i>	Common throughout
Short-tailed Hawk	<i>Buteo brachyurus</i>	Occasional FAL
Zone-tailed Hawk	<i>Buteo albonotatus</i>	1 on drive returning from TR
Southern Caracara	<i>Caracara plancus</i>	Common throughout
Yellow-headed Caracara	<i>Milvago chimachima</i>	Occasional FAL
Laughing Falcon	<i>Herpetotheres cachinnans</i>	1 TR
Collared Forest-Falcon	<i>Micrastur semitorquatus</i>	1 FAL
American Kestrel	<i>Falco sparverius</i>	Occasional throughout
Aplomado Falcon	<i>Falco femoralis</i>	Occasional throughout
Limpkin	<i>Aramus guarauna</i>	1 on drive returning from TR
Ocellated Crake	<i>Micropygia schomburgkii</i>	1 AL
Gray-necked Wood-Rail	<i>Aramides cajanea</i>	Occasional throughout
Red-legged Seriema	<i>Cariama cristata</i>	Common throughout
Southern Lapwing	<i>Vanellus chilensis</i>	Common throughout
Wattled Jacana	<i>Jacana jacana</i>	2 LdD
Plain-breasted Ground-Dove	<i>Columbina minuta</i>	Occasional throughout



Scaled Dove *Columbina squammata* Botanical Garden

Ruddy Ground-Dove	<i>Columbina talpacoti</i>	Common throughout
Scaled Dove	<i>Columbina squammata</i>	Common throughout
Picui Ground-Dove	<i>Columbina picui</i>	Common TR
Blue Ground-Dove	<i>Claravis pretiosa</i>	Occasional throughout
Rock Dove	<i>Columba livia</i>	Common throughout
Picazuro Pigeon	<i>Patagioenas picazuro</i>	Common throughout
Pale-vented Pigeon	<i>Patagioenas cayennensis</i>	Occasional throughout
Plumbeous Pigeon	<i>Patagioenas plumbea</i>	Common TR & MMP
Eared Dove	<i>Zenaida auriculata</i>	Occasional throughout
Gray-fronted Dove	<i>Leptotila rufaxilla</i>	Occasional throughout
Blue-and-yellow Macaw	<i>Ara ararauna</i>	Occasional throughout
Red-and-green Macaw	<i>Ara chloropterus</i>	Occasional TR
Red-shouldered Macaw	<i>Diopsittaca nobilis</i>	1 Paracatu
White-eyed Parakeet	<i>Aratinga leucophthalma</i>	Common throughout
Jandaya Parakeet	<i>Aratinga jandaya</i>	Occasional TR
Peach-fronted Parakeet	<i>Aratinga aurea</i>	Common FAL
Pprimers Parakeet	<i>Pyrrhura pfrimeri</i>	30 TR
Blue-winged Parrotlet	<i>Forpus xanthopterygius</i>	Occasional throughout
Yellow-chevroned Parakeet	<i>Brotogeris chiriri</i>	Common throughout
Yellow-faced Amazon Parrot	<i>Alipiopsitta xanthops</i>	5 FAL
Scaly-headed Amazon Parrot	<i>Pionus maximiliani</i>	1 TR
Turquoise-fronted Amazon Parrot	<i>Amazona aestival</i>	Common throughout
Squirrel Cuckoo	<i>Piaya cayana</i>	Common throughout
Dark-billed Cuckoo	<i>Coccyzus melacoryphus</i>	1 AL

Smooth-billed Ani	<i>Crotophaga ani</i>	Common throughout
Guira Cuckoo	<i>Guira guira</i>	Common throughout
Striped Cuckoo	<i>Tapera naevia</i>	1 TR
Barn Owl	<i>Tyto alba</i>	1 FAL
Tropical Screech-Owl	<i>Megascops choliba</i>	Common FAL
Burrowing Owl	<i>Athene cunicularia</i>	Common throughout
Common Potoo	<i>Nyctibius griseus</i>	1 FAL
Pauraque	<i>Nyctidromus albicollis</i>	Common FAL
Little Nightjar	<i>Caprimulgus parvulus</i>	Occasional FAL
Scissor-tailed Nightjar	<i>Hydropsalis torquata</i>	Occasional FAL
Sick's Swift	<i>Chaetura meridionalis</i>	Common throughout
Fork-tailed Palm-Swift	<i>Tachornis squamata</i>	Common throughout
Planalto Hermit	<i>Phaethornis pretrei</i>	2 TR
Swallow-tailed Hummingbird	<i>Eupetomena macroura</i>	Occasional throughout
Sombre Hummingbird	<i>Aphantochroa cirrochloris</i>	1 MMP
White-vented Violet-ear	<i>Colibri serrirostris</i>	Occasional throughout
Glittering-bellied Emerald	<i>Chlorostilbon lucidus</i>	1 TR
Fork-tailed Woodnymph	<i>Thalurania furcate</i>	Occasional throughout
Glittering-throated Emerald	<i>Amazilia fimbriata</i>	Occasional throughout
Horned Sungem	<i>Heliactin bilophus</i>	6 AL
Amethyst Woodstar	<i>Calliphlox amethystina</i>	1 FAL
Surucua Trogon	<i>Trogon surrucura</i>	2 Paracatu
Ringed Kingfisher	<i>Megaceryle torquata</i>	Occasional throughout
Amazon Kingfisher	<i>Chloroceryle amazona</i>	Occasional throughout
Green Kingfisher	<i>Chloroceryle americana</i>	1 AL
Rufous-capped Motmot	<i>Baryphthengus ruficapillus</i>	Common FAL
Amazonian Motmot	<i>Momotus momota</i>	1 MMP
Brown Jacamar	<i>Brachygalba lugubris</i>	1 AL
Rufous-tailed Jacamar	<i>Galbula ruficauda</i>	Common throughout
White-eared Puffbird	<i>Nystalus chacuru</i>	3 AL 2 TR
Spot-backed Puffbird	<i>Nystalus maculatus</i>	1 FAL
Rusty-breasted Nunlet	<i>Nonnula rubecula</i>	1 TR
Black-fronted Nunbird	<i>Monasa nigrifrons</i>	Common MMP
Toco Toucan	<i>Ramphastos toco</i>	Common throughout
Channel-billed Toucan	<i>Ramphastos vitellinus</i>	5 FAL
Chestnut-eared Aracari	<i>Pteroglossus castanotis</i>	3 FAL
White-wedged Piculet	<i>Picumnus albosquamatus</i>	Occasional throughout
White Woodpecker	<i>Melanerpes candidus</i>	Occasional TR
Little Woodpecker	<i>Veniliornis passerinus</i>	Occasional throughout
Checkered Woodpecker	<i>Veniliornis mixtus</i>	2 RDF330
Green-barred Woodpecker	<i>Colaptes melanochloros</i>	1 MMP
Campo Flicker	<i>Colaptes campestris</i>	Occasional throughout
Ochre-backed Woodpecker	<i>Celeus ochraceus</i>	2 TR
Crimson-crested Woodpecker	<i>Campephilus melanoleucos</i>	Occasional throughout
Collared Crescentchest	<i>Melanopareia torquata</i>	2 AL
Great Antshrike	<i>Taraba major</i>	2 AL

Barred Antshrike	<i>Thamnophilus doliatus</i>	1 FAL 2 AL
Rufous-winged Antshrike	<i>Thamnophilus torquatus</i>	2 FAL 3 AL
Planalto Slaty-Antshrike	<i>Thamnophilus pelzelni</i>	1 MMP 2 TR
Variable Antshrike	<i>Thamnophilus caerulescens</i>	Common FAL
Plain Antvireo	<i>Dysithamnus mentalis</i>	Occasional FAL
Black-capped Antwren	<i>Herpsilochmus atricapillus</i>	Occasional throughout
Black-bellied Antwren	<i>Formicivora melanogaster</i>	5 TR
Rufous Gnateater	<i>Conopophaga lineata</i>	1 FAL 2 AL
Brasilia Tapaculo	<i>Scytalopus novacapitalis</i>	6 FAL
Olivaceous Woodcreeper	<i>Sittasomus griseicapillus</i>	Occasional throughout
Planalto Woodcreeper	<i>Dendrocolaptes platyrostris</i>	2 Paracatu 3 MMP 2 TR
Narrow-billed Woodcreeper	<i>Lepidocolaptes angustirostris</i>	Occasional throughout
Rufous Hornero	<i>Furnarius rufus</i>	Common throughout
Sooty-fronted Spinetail	<i>Synallaxis frontalis</i>	Occasional throughout
Pale-breasted Spinetail	<i>Synallaxis albescens</i>	Occasional throughout
Ochre-cheeked Spinetail	<i>Synallaxis scutata</i>	5 FAL
Rusty-backed Spinetail	<i>Craniouca vulpine</i>	2 AL
Rufous-fronted Thornbird	<i>Phacellodomus rufifrons</i>	10 RDF330
Point-tailed Palmcreeper	<i>Berlepschia rikeri</i>	1 on drive to TR
Russet-mantled Foliage-gleaner	<i>Syndactyla dimidiata</i>	2 FAL 1 TR
Buff-fronted Foliage-gleaner	<i>Philydor rufum</i>	2 FAL
Sharp-tailed Streamcreeper	<i>Lochmias nematura</i>	Common FAL
Streaked Xenops	<i>Xenops rutilans</i>	3 FAL
Gray-hooded Flycatcher	<i>Mionectes rufiventris</i>	Occasional FAL
Sepia-capped Flycatcher	<i>Leptopogon amaurocephalus</i>	Occasional throughout
Southern Antpipit	<i>Corythopsis delalandi</i>	Occasional throughout

Pauraque *Nyctidromus albicollis* Fazenda Agua Limpa



Peary-vented Tody-tyrant	<i>Hemitriccus margaritaceiventer</i>	5 MMP
Common Tody-Flycatcher	<i>Todirostrum cinereum</i>	Occasional throughout
Planalto Tyrannulet	<i>Phyllomyias fasciatus</i>	1 FAL
Gray Elaenia	<i>Myiopagis caniceps</i>	2 AL
Greenish Elaenia	<i>Myiopagis viridicata</i>	1 TR
Olivaceous Elaenia	<i>Elaenia mesoleuca</i>	2 FAL
Plain-crested Elaenia	<i>Elaenia cristata</i>	Occasional throughout
Southern Beardless-Tyrannulet	<i>Camptostoma obsoletum</i>	Occasional throughout
Suiriri Flycatcher	<i>Suiriri suiriri</i>	5 RDF330
Sharp-tailed Grass Tyrant	<i>Culicivora caudacuta</i>	2 AL
Yellow-olive Flycatcher	<i>Tolmomyias sulphurescens</i>	Occasional throughout
White-throated Spadebill	<i>Platyrinchus mystaceus</i>	Occasional FAL
Bran-coloured Flycatcher	<i>Myiophobus fasciatus</i>	2 FAL
Cliff Flycatcher	<i>Hirundinea ferruginea</i>	3 TR
Euler's Flycatcher	<i>Lathrotriccus eulerei</i>	Occasional throughout
Tropical Peewee	<i>Contopus cinereus</i>	2 FAL
Caatinga Black-Tyrant	<i>Knipolegus franciscanus</i>	2 MMP
Crested Black-Tyrant	<i>Knipolegus lophotes</i>	1 AL
Gray Monjita	<i>Xolmis cinereus</i>	1 FAL
White-rumped Monjita	<i>Xolmis velatus</i>	1 FAL
Masked Water-Tyrant	<i>Fluvicola nengeta</i>	3 Dam near Paracatu, 1 LdD
White-headed Marsh-Tyrant	<i>Arundinicola leucocephala</i>	2 Dam near Paracatu, 2 LdD
Long-tailed Tyrant	<i>Colonia colonus</i>	Occasional throughout
Cattle Tyrant	<i>Machetornis rixosa</i>	Occasional throughout
Piratic Flycatcher	<i>Legatus leucophaeus</i>	Occasional throughout
Rusty-margined Flycatcher	<i>Myiozetetes cayanensis</i>	Occasional throughout
Social Flycatcher	<i>Myiozetetes similis</i>	1 TR
Great Kiskadee	<i>Pitangus sulphuratus</i>	Common throughout
Lesser Kiskadee	<i>Philohydor lector</i>	1 FAL
Streaked Flycatcher	<i>Myiodynastes maculatus</i>	2 FAL 1 TR
Boat-billed Flycatcher	<i>Megarynchus pitangua</i>	Occasional throughout
Variegated Flycatcher	<i>Empidonomus varius</i>	Occasional throughout
Crowned Slaty Flycatcher	<i>Griseotyrannus aurantioatrocristatus</i>	1 FAL
White-throated Kingbird	<i>Tyrannus albogularis</i>	3 FAL 1 TR
Tropical Kingbird	<i>Tyrannus melancholicus</i>	Common throughout
Fork-tailed Flycatcher	<i>Tyrannus savanna</i>	1 Dam near Paracatu
Rufous Casiornis	<i>Casiornis rufus</i>	1 FAL 2 TR
Short-crested Flycatcher	<i>Myiarchus ferox</i>	Occasional throughout
Pale-bellied Tyrant-Manakin	<i>Neopelma pallescens</i>	Occasional FAL
Helmeted Manakin	<i>Antilophia galeata</i>	Common FAL
Greenish Schiffornis	<i>Schiffornis virescens</i>	Occasional FAL
Black-crowned Tityra	<i>Tityra inquisitor</i>	2 TR
Black-tailed Tityra	<i>Tityra cayana</i>	2 MMP
White-winged Becard	<i>Pachyramphus polychopterus</i>	1 FAL 1 TR
Crested Becard	<i>Pachyramphus validus</i>	3 MMP

Rufous-browed Peppershrike	<i>Cyclarhis gujanensis</i>	Occasional throughout
Chivi Vireo	<i>Vireo chivi</i>	1 FAL 3 TR
Curl-crested Jay	<i>Cyanocorax cristatellus</i>	Occasional throughout
White-naped Jay	<i>Cyanocorax cyanopogon</i>	2 TR
Blue-and-white Swallow	<i>Pygochelidon cyanoleuca</i>	Common throughout
Southern Rough-winged Swallow	<i>Stelgidopteryx ruficollis</i>	5 MMP
Grey-breasted Martin	<i>Progne chalybea</i>	Occasional throughout
White-winged Swallow	<i>Tachycineta albiventer</i>	2 TR
White-rumped Swallow	<i>Tachycineta leucorrhoa</i>	1 Dam near Paracatu
Southern House-Wren	<i>Troglodytes musculus</i>	Occasional throughout
Grass Wren	<i>Cistothorus platensis</i>	1 FAL 3 AL
Buff-breasted Wren	<i>Cantorchilus leucotis</i>	Occasional FAL
Masked Gnatcatcher	<i>Poliophtila dumicola</i>	Occasional throughout
Veery	<i>Catharus fuscescens</i>	1 FAL
Rufous-bellied Thrush	<i>Turdus rufiventris</i>	Common throughout
Pale-breasted Thrush	<i>Turdus leucomelas</i>	Common throughout
Creamy-bellied Thrush	<i>Turdus amaurochalinus</i>	1 FAL
White-necked Thrush	<i>Turdus albicollis</i>	3 TR
Chalk-browed Mockingbird	<i>Mimus saturninus</i>	Common throughout
Bananaquit	<i>Coereba flaveola</i>	Occasional throughout
Black-faced Tanager	<i>Schistochlamys melanopsis</i>	1 FAL
Shrike-like Tanager	<i>Neothraupis fasciata</i>	3 RDF330
Hooded Tanager	<i>Nemosia pileata</i>	5 FAL
Orange-headed Tanager	<i>Thlypopsis sordida</i>	2 FAL 1 AL
Black-goggled Tanager	<i>Trichothraupis melanops</i>	Occasional throughout
Hepatic Tanager	<i>Piranga flava</i>	Occasional FAL
Gray-headed Tanager	<i>Eucometis penicillata</i>	Occasional FAL
White-lined Tanager	<i>Tachyphonus rufus</i>	Occasional throughout
Silver-beaked Tanager	<i>Ramphocelus carbo</i>	1 FAL
Sayaca Tanager	<i>Thraupis sayaca</i>	Common throughout
Palm Tanager	<i>Thraupis palmarum</i>	Occasional throughout

Sharp-tailed Streamcreeper *Lochmias nematura* Fazenda Agua Limpa



Burnished-buff Tanager	<i>Tangara cayana</i>	Common throughout
Blue Dacnis	<i>Dacnis cayana</i>	Common throughout
Guira Tanager	<i>Hemithraupis guira</i>	Occasional throughout
Rufous-collared Sparrow	<i>Zonotrichia capensis</i>	Common throughout
Grassland Sparrow	<i>Ammodramus humeralis</i>	Common FAL
Blue Finch	<i>Porphyrospiza caerulescens</i>	2 AL
Cinereous Warbling-Finch	<i>Poospiza cinerea</i>	3 AL
Stripe-tailed Yellow-Finch	<i>Sicalis citrina</i>	2 FAL
Saffron Finch	<i>Sicalis flaveola</i>	Common throughout
Grassland Yellow-Finch	<i>Sicalis luteola</i>	5 FAL
Blue-black Grassquit	<i>Volatinia jacarina</i>	Common throughout
Plumbeous Seedeater	<i>Sporophila plumbea</i>	1 FAL 10 AL
Lined Seedeater	<i>Sporophila lineola</i>	1 on drive to TR
Yellow-bellied Seedeater	<i>Sporophila nigricollis</i>	Common throughout
Double-collared Seedeater	<i>Sporophila caerulescens</i>	5 FAL
White-bellied Seedeater	<i>Sporophila leucoptera</i>	5 FAL
Pearly-bellied Seedeater	<i>Sporophila pileata</i>	2 AL
Copper Seedeater	<i>Sporophila bouvreuil</i>	1 LdD
Saffron-billed Sparrow	<i>Arremon flavirostris</i>	Occasional FAL
Grey Pileated Finch	<i>Coryphospingus pileatus</i>	Occasional throughout
Red-crested Finch	<i>Coryphospingus cucullatus</i>	3 FAL
Red-cowled Cardinal	<i>Paroaria dominicana</i>	10 TR
Buff-throated Saltator	<i>Saltator maximus</i>	Occasional throughout
Grayish Saltator	<i>Saltator coerulescens</i>	1 TR
Green-winged Saltator	<i>Saltator similis</i>	Occasional throughout
Black-throated Saltator	<i>Saltator atricollis</i>	5 AL 1 MMP
Tropical Parula	<i>Parula pitiayumi</i>	Occasional FAL
Masked Yellowthroat	<i>Geothlypis aequinoctialis</i>	Occasional FAL
White-bellied Warbler	<i>Basileuterus hypoleucus</i>	Common FAL
Flavescent Warbler	<i>Basileuterus flaveolus</i>	Occasional throughout
White-striped Warbler	<i>Basileuterus leucophrys</i>	Occasional FAL
Crested Oropendola	<i>Psarocolius decumanus</i>	1 MMP Occasional TR
Yellow-rumped Cacique	<i>Cacicus cela</i>	5 TR
Variable Oriole	<i>Icterus pyrrhopterus</i>	Occasional throughout
Campo Troupial	<i>Icterus jamaicii</i>	3 TR
Chopi Blackbird	<i>Gnorimopsar chopi</i>	10 FAL
Chestnut-capped Blackbird	<i>Chrysomus ruficapillus</i>	2 Dam near Paracatu
Screaming Cowbird	<i>Molothrus rufoaxillaris</i>	~30 TR
Shiny Cowbird	<i>Molothrus bonariensis</i>	Common FAL
White-browed Blackbird	<i>Sturnella supercilialis</i>	10 Dam near Paracatu 5 TR
Purple-throated Euphonia	<i>Euphonia chlorotica</i>	Occasional throughout
Violaceous Euphonia	<i>Euphonia violacea</i>	Occasional throughout
Common Waxbill	<i>Estrilda astrild</i>	Occasional FAL
House Sparrow	<i>Passer domesticus</i>	Common throughout

MAMMALS

Seven-banded Armadillo	<i>Dasyus septemcinctu</i>
Black-tufted Marmoset	<i>Callithrix penicillata</i>
Black-striped Capuchin	<i>Sapajus libidinosus</i>
Maned Wolf	<i>Chrysocyon brachyurus</i>
Brown Rat	<i>Rattus norvegicus</i>
Capybara	<i>Hydrochaeris hydrochaeris</i>
Azara's Agouti	<i>Dasyprocta azarae</i>
Tapeti/Brazilian Cottontail	<i>Sylvilagus brasiliensis</i>

REPTILES

Lizard sp.	<i>Tropidurus oreadicus</i>
Boa Constrictor	<i>Boa constrictor</i>

AMPHIBIANS

'Common Toad-Frog'	<i>Leptodactylus mystaceus</i>
Cane Toad	<i>Rhinella marina</i>

DRAGONFLIES

Malachite Darner	<i>Remartinia luteipennis</i>
Twilight Duskhawker	<i>Gynacantha nervosa</i>
Bar-sided Duskhawker	<i>Gynacantha Mexicana</i>
Band-winged Dragonlet	<i>Erythrodiplax umbrata</i>
Carmine Skimmer	<i>Orthemis discolour</i>

DAMSELFLIES

Clear-winged Metallic	<i>Mnesarete hyaline</i>
Spray-zone Flatwing	<i>Heteragrion triangulare</i>
Venezuelan Greytip	<i>Epipleoneura venezuelensis</i>
Neotropical Bluet	<i>Enallagma novaehispaniae</i>

Seven-banded Armadillo *Dasyus septemcinctu* Fazenda Agua Limpa





Red-barred Amarynthys *Amarynthys meneria* Fazenda Agua Limpa

BUTTERFLIES

Gray Cracker	<i>Hamadryas februa</i>
Menelaus Blue Morpho	<i>Morpho nestira</i>
Teucer Owl butterfly	<i>Caligo teucer</i>
Variable Cattle-heart	<i>Parides erithalion</i>
Straight-line Sulphur	<i>Rhabdodryas trite</i>
Apricot Sulphur	<i>Phoebis argante</i>
Red-barred Amarynthys	<i>Amarynthys meneria</i>
Superb Numberwing	<i>Callicore excelsior</i>
Godart's Agrias	<i>Agrias claudina</i>
Montane Longwing	<i>Heliconius clysonymus</i>
Andromica Glasswing	<i>Greta andromica</i>
Genoveva Buckeye	<i>Junonia genoveva</i>
Southern Monarch	<i>Danaus erippus</i>
Alana White Skipper	<i>Heliopetes alana</i>
Southern Sicklewing	<i>Eantis thraso</i>

KEY

- FAL - Fazenda Agua Limpa
- AL - Altiplano Leste
- TR - Terra Ronca
- LdD - Lagoa do Descoberto
- MMP - MONA do Morro da Pedreira
- RDF330 - Rodovia DF-330