

Regua 2020

An Odonata Trip from January 23rd to February 13th 2020

By Paul Hopkins

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Participants: Paul Hopkins and Magnus Billqvist (We were joined by Tom Kompier 23/1-2/2/2020). During our first week we were also joined on trips to Vecchi and Campestre de Salinas by Agnes Ludwig.

Introduction

We timed our visit to coincide with the months of peak Dragonfly activity in the Serra dos Orgaos area of South Eastern Brazil. One of the attractions of visiting this area was that we were able to base ourselves for the entire three weeks at the comfortable lodge at Regua. Regua or otherwise known as the Reserva Ecológica de Guapiaçu is the most fantastic rainforest restoration project at the base of the Serra dos Orgaos mountain range. The project has restored old pasture to a mosaic of wetland and forest creating a corridor to the mountain range beyond. We chose to stay for three weeks because there was a high risk of losing some days to rain in the Austral Summer.

There are many trails and Odonata rich habitats on the Regua property, all within walking or a short car lift from the lodge. In addition to this, day trips can be taken to additional sites at varying altitudes where additional species can be found. These sites will be discussed later in this report. Regua provide transport to the local sites as part of their accommodation package. For trips further afield such as Campestre de Salinas, Tres Picos and Silva Jardim there is an additional charge. For an additional charge Regua will also collect and drop you off at Rio international airport. Their main driver is the affable Alcenir who was excellent and knows all the key areas to visit. Regua provide three meals a day and do packed lunches for the full day excursions.

Any visit to the neotropics in search of Odonata is usually problematical due to the lack of available field guides. A trip will normally involve hours of internet research in search of papers and photographs in order to successfully target and identify species. This is not so for Regua since the publication in 2015 of Tom Kompier's excellent "A Guide to the Dragonflies and Damselflies of Serra dos Orgaos". Tom's guide has made Regua an ideal destination to dip your toes into Neotropical Odonata as it covers all the 200+ species that occur in the area with the exception of a couple of species which have been found since 2015. We were very lucky to have Tom join us for the first 10 days of our trip, which no doubt helped our knowledge of the various habitats to visit. His presence surely added a few species too. Even if we had to burn a few calories keeping up with him!

Sites visited

1. The Lodge Garden

It is worth checking the flower beds and borders of the Lodge garden as quite a few common species can be found with ease. These include *Acanthagrion temporale*, *Erythrodiplax castanea*, *E. avittata* and *E. fusca*, *Dythemis nigra* and *Rhodopygia cardinalis*. We also found rarer species such as *Erythrodiplax media*. The Lodge has a moth wall which also attracts Odonata. We had *Ischnura capreolus* and *I. fluviatilis* and a few other common species. Others have done much better at the wall so it is well worth a look.

2. Regua Wetlands

The wetlands below the lodge are just 5 minutes' walk away. The main trail around the wetlands is the Yellow Trail. There are also various side trails and short cuts. The wetlands hold a fantastic number of species and will always keep you occupied no matter how many times you visit. It is pointless listing the species here, but you will see from the species accounts what bounty awaits. Visit the wetlands before you go anywhere else in order to calibrate yourself to this Odonata paradise. We visited multiple times.

3. Green Trail

A short car ride is required to the start of the Green Trail. The trail is about 2.6 km to the Waterfall, gaining elevation as you go. The bottom of the trail at about 200 metres distance has good numbers *Leptagrion perlongum* attending the Bromeliads on the rocks. Another highlight at the river here is *Heteragrion triangulare*. We also had *Mecistogaster amalia* here on our last day, much to Magnus's relief.



Climbing the Green Trail towards the Waterfall, you pass several streams which hold a number of *Heteragrion* species including the undescribed Persimmon Flatwing *Heteragrion* sp. As you increase in altitude the species change. At the magnificent waterfall *Macrothemis tessellata* can be found but take care on the slippery rocks.

We visited the Green Trail three times. Our observations can be seen in the species accounts.

4. Brown and Purple Trail

We did not bother too much with the Brown Trail other than using it to access the Purple Trail and the site for *Macrothemis rupicola*.



5. The "Lestes Swamp"

At the bottom of the hill below the lodge and next to the researchers' accommodation is an area that floods after rain. We called it the "Lestes Swamp" because Tom did. We had *Lestes tricolor* here but it was a great spot for *Telagrion longum*, *Anatya januaria* and *Micrathyria atra* amongst other things. The water levels rose and fell quite significantly at this site depending on the rain and it was very muddy. Rubber boots are essential here.



6. Guapiaçu River



The Guapiaçu River borders the Regua property at a few places and is essential to visit for riverine species such as *Elasmothermis constricta* and *Neoneura confundens* amongst others. We visited three sites on the river. The most easily accessible was the river next to the Old Wetlands on the road to the Green Trail. Here we had *Macrothemis imitans*,

Elasmothermis constricta and *E. cannacroides* on the same twig. This site seems to be a tributary of the main Guapiaçu River.

Another site on the river was at the bridge near the Forest Fragment. We stopped here early in the trip to "tick" species from the bridge. Being a purist, I wasn't bothered about ticking *Neoneura confundens* as a speck from the bridge. A decision I would later regret.

Another day we also visited another site which Tom drove us to. Here the water was quite deep, muddy and with a bit of a current. Again I declined wading in with my video gear as it looked like an accident waiting to happen. Of course Magnus and Tom saw lots of *Neoneura confundens*. Regrettably, we left another river visit for the last few days and bad weather ruined any chance of bolstering the riverine species list.

7. Forest Fragment

The Forest Fragment is a short ride (or a long walk) from Regua and potentially one of the best sites for Gomphid and Macrothemis species around Regua. The site is essentially a track through the forest with a clearing and streams at either end. We visited the site three times. Once in the morning with Tom, seeing our only Regua Pincertip *Forcepsioneura regua*, our first *Heteragrion consors*, *Progomphus complicatus*, *Epigomphus paludosus* and *Macrothemis musiva*. Magnus and I returned on another morning only to spend the majority of it taking shelter and myself fertilizing the crops due to an upset stomach. Our final visit was on a hot afternoon and activity was very low.

8. Old Wetlands



The old wetlands are accessed through a track off the road to the Green Trail. The short walk to the site takes you past a stream where we had our only *Peristicta jalmosi* and our first sighting of *Aphylla theodorina* nearby. The wetland itself has similar species to the Regua wetlands and access to the water edge is more difficult.

Despite the access issues it was still well worth visiting with nice views of *Coryphaeschna perrensi*, *Erythemis carmelita* and *Idiataphe amazonica* amongst other things. We visited the site twice.

9. Reservoir

The large reservoir on the way to the Green Trail had some very interesting species. The problem with this site is that it is difficult to access and we believe that the current owners are not keen on people entering. Despite this, the lure of new species did tempt us in twice. We entered via a woodland on the



opposite side of the reservoir to the management/owners property. This involved sliding down a steep grass bank to get down to water level. The climb back up was a killer, especially on our first visit when we visited in the heat of the day. Our second visit was made in warm but overcast conditions which helped. This was the only place we saw single males of *Erythrodiplax latimaculata* and *Homeoura chelifera*, although Tom did see the latter earlier in the trip at the Regua Wetlands. The site was also good for *Planiplax arachne*, *Orthemis schmidtii* and good numbers of *Erythrodiplax paraguayensis*.

10. Km 4 Road pond and stream.

A couple of sites down this road close to Regua held very interesting species. The stream gave us our only sighting of *Epipleoneura venezuelensis* and the pond our only sightings of *Progomphus intricatus* and *Idiataphe longipes*. I also saw *Micrathyria spuria* at the pool. We visited the stream once and the pool the following day.

11. Vecchi

This area is about a forty minute drive from Regua and consists of small fish ponds and a larger pond. There are also any number of alternative ponds nearby which would be worth checking out. The small fish ponds held a good number of species. This was the only place we saw the rare *Edonis helena* with singles on each of our two visits although I



missed the first one. It was the only place we saw *Erythrodiplax famula* and also held a lot of *Erythemis credula*, *Erythrodiplax paraguayensis* and *Zenithoptera lanei*. Our first sightings of the fabulous *Diastatops obscura* were also here.

The nearby larger pond was also very productive. Tom found the first record for the *Aceratobasis macilenta* for the Serra dos Orgaos area, finding a female on our first visit. On a subsequent visit, myself, Magnus and Susan Loose (Butterfly Researcher) found a male and a female and obtained the first video and photographs ever taken of this species in the area. More information about this find is on the Regua website. The large pond has a track along the back which is a known site for *Minagrion ribieroi* although we never found it. We did however have nice views of *Idioneura ancilla* on this path and I found our first *Mecistogaster amalia*. The stream at the



back of the large pool had our only *Perithemis thais* and *Tigriagrion aurantinigrum*. Magnus and Tom *Elga leptostyla* here. Unfortunately it cleared off before I got to it. Gomphids present at this site included *Cacoides latro*, *Phyllocycla pallida* and *Aphylla molossus*. In retrospect the

swarming *Tauriphila* and *Tramea* species probably deserved greater attention at this site as there was potential for *Tauriphila australis* and *T. xiphea* as well as *Tramea cophysa* and *T. rustica* here amongst the commoner species.

13. Silva Jardim

We visited this site just once. The main area was by the river Capivari. Firstly observing species from the river then walking a few hundred metres through a clearing before reaching a tricky fence. After negotiating the fence we entered some woodland with small muddy ponds. The woodland was infested with mosquito and this made the site very difficult to work (See 31.1.20 for more detail). The area holds quite a few species that are difficult elsewhere such as *Perithemis electra*, *Staurophlebia reticulata*, *Tauriphilia australis* and *T. xiphea*. We had *Phyllocycla gladiata* here although other Gomphids must surely be present.

14. Campestre de Salinas

This site is essential to visit for a number of higher altitude species such *Heteragrion ovatum*, *Minagrion waltheri*, three species of *Oxyagrion*, *Micrathyria stawarskii*, *Erythrodiplax melanorubra*, *Perithemis icteroptera* and much more.

The site is essentially divided into three sites although those with more time could find others. The first area is a pond, river and bridge area. The pond is a little difficult to access through tall grass and a couple of steep banks but is great for *Micrathyria stawarskii*. On our first visit in sunny weather, we also had *Micrathyria athenais*, *Erythrodiplax melanorubra*, *Perithemis icteroptera*, *Oxyagrion simile* and *O. pavidum*. The river and grassy area near the bridge has *Oxyagrion hempeli*. Stripe-tailed Clubskimmer *Brechmorhoga "tepeaca"* and *Gynothemis venipunctata* are also here but we didn't see them.



About another couple of kilometers down the track is a depression with a small peat bog and marsh in an open area of grassland. This is the place for *Minagrion waltheri*.

The trail into the forest is getting very overgrown so can be difficult to walk but it is still just about passable. You cross a few streams which most have attendant *Heteragrion robertaylori*. Further into the forest, about two to three hundred metres a seepage on the trail held *Heteragrion ovatum* on both visits. Also here were *Forcepsioneura lucia* and *F. sancta*.

15. Tres Picos

This is the highest altitude site and essential to visit. We primarily worked two areas. The lower peat bog/meadow and stream and the upper marshy area and stream.



The lower area requires a quick hop over the fence and walking along the stream. This site has *Dasythemis mincki*, *Hetaerina longipes*, *Argia lilacina* and *Macrothemis capitata* and *M. marmorata*.

About an hour's walk up the mountain track is small marshy area on the opposite side of the track to some cattle feeding places. There are two small ponds

here but the lower one is difficult to access and requires walking in through high vegetation. Species here include the undescribed Powdered Dasher *Micrathyria sp.*, *Rhionaeschna planaltica*, *R. itatiaia* and *Neocordulia carlochagasi*. We saw lots of *Oxyagrion simile* but could not find *O. santosi* which is in this area. There is also a stream further along the track which holds *Heteragrion muryense*.



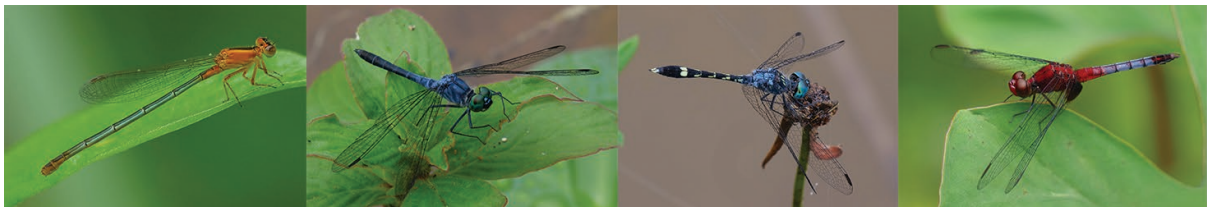
Daily Itinerary

23.1.20

Evening arrival in Rio, transfer to the Lodge and a few Odonata at the Moth Wall. Species on the wall included *Ischnura capreolus*, *Ischnura fluviatilis* and *Erythrodiplax umbrata*. Even managed to find roosting *Acanthagrion temporale* in the flower beds! We had our first Caipirinha cocktails of the trip. These are a nightly event at the lodge.

24.1.20 - Overcast and Rain

Walked the Yellow Trail around the Regua Wetlands in poor weather. Also had our first look at the "Lestes Swamp" seeing our first Male *Telagrion longum*, with its "Flametip" glowing brightly in the gloomy conditions. We also had *Micrathyria atra*, *Anatya januarina*, *Lestes tricolor* and *Acanthagrion gracile*. We also took a look at the small bridge area at the reserve entrance for my first *Hetaerina rosea*. Despite the poor weather it was nice to get our first of what would be many *Heteragrion aurantiacum*. The commonest Flatwing species but still a stunner. We also had a nice immature male *Dasythemis venosa* which had similarities to *Agrionoptera* species in Asia. Our first *Micrathyria hesperis* was also memorable, as were our only two *Planiplax arachne* to be seen at the wetland. It was always present at the Reservoir though.



25.1.20 - Generally Sunny

Our first visit to the Forest Fragment with Tom. We stopped briefly at the first clearing seeing plenty of *Orthemis cultriformis*. Walking the track through the fragment looking for Gomphids produced very little, although we did find a Male *Epigomphus paludosus* on our return journey. As we approached the second clearing there was a big increase in common species such as *Orthemis discolor*, *Erythrodiplax fusca* and *E. avittata*, and our first good looks at the "leaf hugger" *Erythrodiplax castanea*. The more scarce species we found here included *Macrothemis musiva* (flight views), *Macrothemis declivata* (for some but not me), *Aphylla molossus* and *Progomphus complicatus*. Magnus found our only *Zonophora campanulata* but unfortunately it was dead in a spider's web. In one corner of the clearing where the stream comes out of the forest, we had *Forcepsioneura sancta*.

The stream amongst the Manioc crops had both *Hetaerina rosea* and *H. hebe* and quite a few *Heteragrion aurantiacum*.

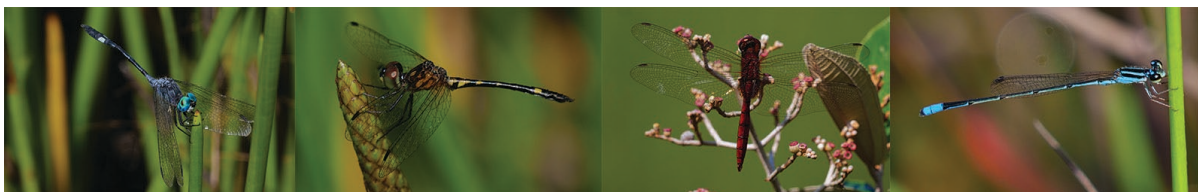
As we returned to the first clearing, Tom greeted us with already staked out *Heteragrion consors* and *Forcepsioneura regua*. The latter species has only recently been described. A whirlwind introduction to the Forest Fragment!

Returning to the Lodge early afternoon we had another look at the Lestes Swamp and Wetland. Too many species to mention here but we used the time to start working through the various flavours of *Micrathyria* and red libellulids on offer.



26.1.20 - Hot and Sunny

Our first visit to Vecchi started at the small fish ponds. I can only describe this as overwhelming as Tom shouted new species thick and fast before I could methodically video each species. A sunny day meant the place was buzzing with activity. *Erythemis credula* and *Erythrodiplax paraguayensis* were common. *Micrathyria spuria* was new, as were our first *Diastatops obscura*. I enjoyed my first good views of *Tauriphilia argo*. The *Micrathyria* lookalike *Nephepeltia phryne* was very common here. Aeshnids here included *Anax concolor*, *Coryphaeschna adnexa* and *C. perrensi*. This was also a good site for *Acanthagrion cuyabae*.



After being dragged away from the small fish ponds, the next stop was the large pond. We walked the track to the rear of the pond before clambering down to the stream at the back corner of the pond. Tom advised us that the track was a good site for *Minagrion ribeiroi* although we were unable to find it. Tom did find a single *Minagrion mecistogastrum* but nobody else saw it. A notable event was when Tom caught a Female *Aceratobasis macilenta*. It took later examination for Tom to confirm its identification. This was a new species for the Serra dos Orgaos area. We were to rediscover this species later in the trip.

<http://regua.org/category/dragonflies-and-damselfies/>

Highlights on the path include a huge Amalia Helicopter *Mecistogaster amalia* and the diminutive *Idioneura ancilla*. Unfortunately Magnus missed the Helicopter and

had to sweat that one out for a while. Our first *Micrathyria tibialis* was also along this path.

The stream area produced our only *Phyllocycla pallida*, a Female which Tom caught. Other highlights here included *Perithemis thais*, *Tigriagrion aurantinigrum* and *Elga leptostyla* for Magnus and Tom.

We finished the day with a last dash around the Regua Wetland and Lestes Swamp.



27.1.20 -Hot and Sunny

First up today was the Old Wetland. On our way into the site we had our first *Aphylla theodorina*, an immature Male that posed nicely for video. Next we crossed a stream which has our only *Peristicta jalmosi* of the trip. The wetland itself produced many common species with highlights probably being *Erythemis carmelita* and a nice Female *Coryphaeschna perrensi* which briefly settled for video and photos.

Next up was the Green Trail to 200m and then the side trail to the river. The Bromeliads on the rocks had attendant Long-tailed Bromeliad Guards *Leptagrion perlongum*. A much wanted species in the bag! We spent a bit of time searching the area and Magnus also found a *Leptagrion elongatum* which I missed on this occasion. A side channel from the turbulent river had a Male *Heteragrion triangulare* but it was difficult to video as its perch bobbed up and down.

Then it was onto the Reservoir. It was very hot by now and entering the site was quite demanding to say the least. In the hot conditions we had *Planiplax arachne*, plenty of *Erythrodiplax paraguayensis* and *Orthemis schmidtii* amongst many other things. By now the heat was starting to get the better of me and my attention was becoming more focused on the arduous climb out rather than the Odes. I got out alive but would not recommend a visit here in the early afternoon heat.



A brief stop at the river near the Old Wetland produced another *Heteragrion triangulare*. Rather oddly we only ever saw *H. aurantiacum* on our return visit but both species do occur on this river.

28.1.20 - Sun and intermittent clouds, Rain mid afternoon

Our first visit to Campestre de Salinas. As the crow flies this site is not far from Regua but to get there involves a two and a half hour drive around the mountains via Nova Friburgo the underwear capital of Brazil. In hindsight we probably could have left a bit earlier from the lodge to give us another hour on site.

First stop was at the pond and first bridge. The pond had plenty of *Micrathyria stawiarskii* and a single *Micrathyria athenais*. Also here were plenty of *Oxyagrion simile* and a single *Oxyagrion paridum*. Our only *Perithemis icteropectera* was also here. Also here was *Erythrodiplax melanorubra*, the doppelganger to common *E. fusca* which was also present. A single *Remartinia luteipennis* was also present. At the bridge we could not find *Oxyagrion hempeli* on this visit, but Magnus and Tom did see a *Castoraeschna castor*.

Our next stop was at a boggy area along the track. Here we had brief views of the stunning *Minagrion waltheri*, a few of *Erythrodiplax juliana* and a couple more *E. melanorubra*.

The trail into the forest was quite hard work. Tom reports that it has suffered through lack of management letting it become overgrown. As a consequence, less sun gets into the track and there is less chance of finding a perched Gomphid. However, it was nice to catch up with our first *Heteragrion rogersi*. This species is very accommodating, allowing you to almost touch it. Also seen here were *Dasythemis mincki*. Tom and Magnus walked further on than I did as I decided to stay at a large stream. A bad decision on my part as they found *Heteragrion ovatum* and *Forcepsioneura lucia* at an area of seepage along a path.

Returning to the vehicle, I had one last look at the *Minagrion waltheri* site just as it started to rain. A male did show quite well for video opportunities.



29.1.20 - Sunshine and occasional cloud

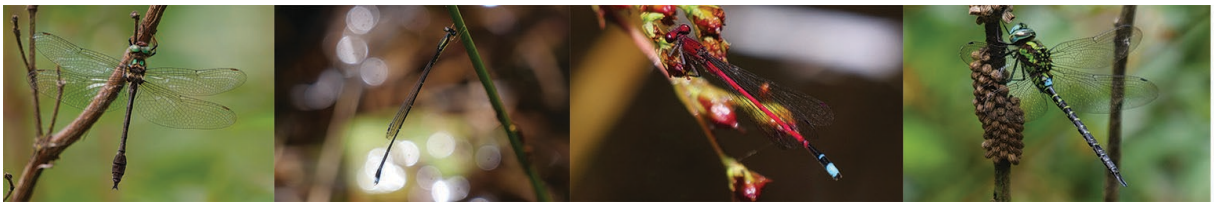
Our only visit to Tres Picos. The highest altitude site of the trip.

We started at the lower peat bog and stream. Here we had good views of *Macrothemis capitata* and a brief flight view of *M. marmorata*. Our only *Hetaerina*

longipes of the trip was here as well as *Argia lilacina* and plenty of *Dasythemis mincki*.



Walking up the mountain track we eventually arrived at a small marshy area and stream. One area was quite accessible and another below it required walking in through the undergrowth to find it. Fortunately for us Tom knew this site as we would have missed good habitat and species without him. In this area we had at least two *Neocordulia carlochagasi*. This fantastic cordulid was the only Emerald we had on this trip. One individual patrolled the depressions we had created by walking into the marsh. Also here were both *Rhionaeschna itatiaia* and *R. planaltica*. The undescribed Powdered Dasher *Micrathyria sp.* was at the lower and harder to access pond. There were also plenty of *Oxyagrion simile* but we couldn't find any *Oxyagrion santosi*. I had a single *Forcepsioneura sancta* in the boggy depression created where I stood at the lower pond.



A little further on was a stream with no less than five *Heteragrion muryense*. A real highlight as I had missed yesterday's *Heteragrion ovatum*. The Black and Yellow Flatwing species are gems. A nice bonus here was our only *Bryoplathanon globifer* which perched for a few seconds at our feet but did not return.



Walking back down the mountain to the vehicle, a nice Large-tailed Antshrike put in an appearance.

30.1.20 - Sunny

We spent the morning walking up the Green Trail to the Waterfall. My recollection was that the Waterfall was around the 2600 metre distance post. Lower down the trail we had another *Heteragrion consors*. Higher up the trail as it narrowed and crossed a series of streams we had nice views of the undescribed Persimmon

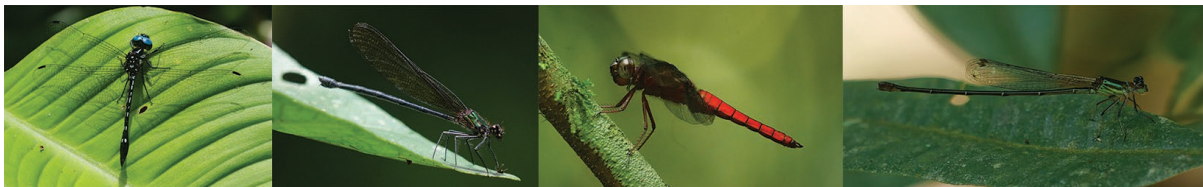
Flatwing *Heteragrion* sp. I videoed a pair in tandem as the female oviposited under a submerged leaf. An unusual Female Flatwing found by Magnus at the side of the trail was initially thought to be a Female Persimmon Flatwing. However, later perusal of the video and photos proved it to be *Heteragrion dorsale*. What a bonus!



Arriving at the Waterfall hot and sweaty, we took a few minutes to cool off. *Castoraeschna castor* showed briefly and the Rubyspots here were *Hetaerina brightwelli*. After a short but treacherous clamber over some slippery rocks we were soon admiring *Macrothemis tessellata*. Unfortunately Magnus slipped on a rock and sustained a nasty cut on his leg. Fortunately nothing was broken so he had to "Man up". His wound did fester a bit for a few days though.

On the way back down we saw *Leptagrion macrurum* (seen on the way up also) and even better a Female *Leptagrion elongatum*. I missed this species on our first visit to the Green Trail. At about the 600 metre point we had a few *Libellula herculea* at a stream. These red libellulids are like a red version of the European *Libellula depressa*.

The final species at the bottom of the Green Trail was a *Brechmorhoga praedatrix* which Tom caught.



Later that afternoon Tom and I decided to go to the large pond at Vecchi to look for *Minagrion ribeiroi* but again we drew a blank.

31.1.20 - Sunny and very hot

Today we travelled about 90 minutes to Silva Jardim in the lowlands. We visited an area of clearing and woodland by the Rio Capivari and a small pond a few km up the road on our return. My records lump the two sites together.

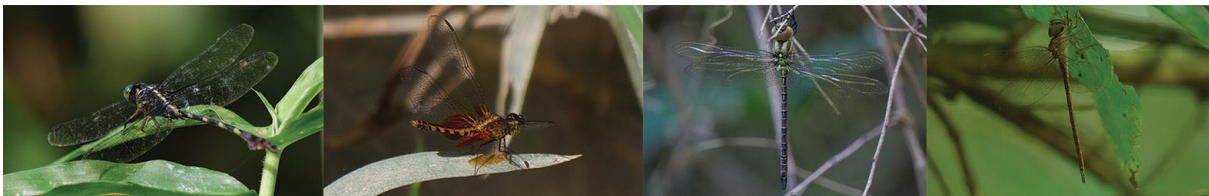
Tom warned us it would be very hot and full of Mosquitoes. He wasn't wrong and I totally underestimated the impact this would have.

When we arrived we scanned from the bridge seeing our only *Erythrodiplox ochracea*. A Female. Moving into the clearing we soon had *Phyllocycla gladiata* and perched Darners turned out to be *Remartinia luteipennis* and immature

Coryphaeschna adnexa. Magnus and Tom also had the fantastically named Magnificent Megadarter *Staurophlebia reticulata*. Moving into the woodland and the Mosquito infested small pools we soon found *Perithemis electra* and roosting *Triacanthagyna septima*. Looking at my hand with about one hundred Mosquito's gorging on the back of it, it was time to leave! Not so simple a task it would seem. As we got back to the clearing there were about sixty percent less Mosquitoes (only forty on my hand and numerous ones elsewhere now) but the temperature was scorching. I was feeling dizzy and had to sit down before I fell down. Because we were relatively close to the van I didn't take any water in with me. That was a big mistake as now, the van seemed miles away. I thought I was sat on the floor for a few minutes but Magnus told me it was well over twenty minutes and told me he walked around looking at *Tramea* species which I was oblivious too. Every time I stood up, I thought I would faint. Eventually I took my video gear off the tripod and Magnus agreed to carry it back to the van. This way, if I fainted, only I and my tripod was potentially damaged! I eventually managed to walk out to be rescued by cold Coke and Air Conditioning in the van. I know it all sounds a little dramatic but I cannot emphasize enough how quickly you can find yourself in the "incident pit".

Enough of that, back to the Odes. This site has potential for some great species and we did plan to return. We stopped at a small pond a few km up the road and saw a selection of common species in a more hospitable environment.

Oh, nearly forgot, Magnus got stung by a wasp today.



On the way back to Regua we checked out the stream on the side road at the 4km sign. Here we had our only *Epipleoneura venezuelensis* of the trip.



1.2.20 - Sunny

This morning we visited the pond on the 4km side road. The sandy/muddy patches held a couple of *Progomphus intricatus*. A nice *Micrathyria spuria* posed for video and when the weather warmed up a single *Idiataphe longipes* showed up, but always keeping to the vegetation tips in the middle of the pond. This was our only sighting of this species.

The afternoon was spent at the Lestes Swamp and the Yellow Trail in the Regua Wetland. Tom returned to the Netherlands that evening.



2.2.20 - Sunny

A leisurely day wandering around the wetlands and taking lunch at the Lodge. A nice find was our first *Telebasis griffini*.



3.2.20 - Sunshine and clouds

A nice start to the day when we found our first *Erythrodiplax media* in the garden this morning.

Another day in the Regua Wetlands. We are now getting to grips with the plethora of *Micrathyria* species including *artemis*, *atra*, *catenata*, *hesperis*, *ocellata* and *pseudeximia*. The *Micrathyria* lookalike *Nephepeltia phryne* was also abundant. A Female *Coryphaeschna viriditas* with a damaged wing was a nice find today as it was the only one we saw all trip. Plenty of video and photo opportunities today but all common species.



4.2.20 - Cloudy with occasional sunshine/afternoon rain

This morning we walked to the *Macrothemis rupicola* site via the Brown and Purple Trails. This species breeds in shallow warm rock pools, quite a unique habitat. To get to the rocky area, we had to wade across and had no choice but to get wet. So off with the kit it was (nearly). What a sight! Fortuitously as we reached the site, the sun came out and we were soon looking at the all blue Male rupicolos as about four patrolled the small rock pools and occasionally perched up. Another bonus at this site was nice views of a Male *Gomphoides infumata*. There was also a single *Heteragrion triangulare*.

The weather became progressively cloudier as the day progressed and eventually curtailed activities.



5.2.20 - Intermittent sunshine amongst cloud and light rain.

We returned to Vecchi today. First up were the small fish ponds which took a little while to get going due to the weather. However we still found some nice species. I managed to catch up with a single *Edonis helena* which I had missed on our first visit. It was also nice to video *Erythrodiplax juliana*. Other than that it was a repeat of our first visit but a bit more leisurely.



Next we went to the large pond where we found a Male and Female *Aceratobasis macilenta* which was a great discovery and backed up Toms find of a Female from the 26.1. A new species for Regua.



Magnus managed to pull back *Tigriagrion aurantinigrum* and I had some great video opportunities with *Diastatops obscura*. I also found a Male and Female *Aphylla mollosus* which was nice.



6.2.20 - Cloudy and rain

A morning visit to the Forest Fragment was largely unsuccessful as the cloudy weather soon turned to rain. We managed to see a Female *Epigomphus paludosus* on the forest track before we reached the second clearing. The rain then came and we spent most of the morning sheltering in a rather convenient farm building. I also had an upset stomach so occasional dashes to the Pineapple patch were required. The rain cleared enough for a short exploration of the clearing but we found nothing special.

More rain that afternoon consigned us to the Lodge.



7.2.20 - Cloud and sunshine then rain

Another morning in the Regua Wetlands before the weather deteriorated. Probably the highlight was nice views of an ovipositing *Coryphaeschna perrensi*.



8.2.20 - Sunshine and occasional clouds

A morning visit to the Old Wetlands failed to produce anything new. A highlight was watching an unidentified small raptor go into a dive from a great height and take out a Southern Rough-winged Swallow right in front of us. We had another look for *Peristicta jalmosi* but couldn't find it on the stream.

We then finished the morning off wading in the nearby river. This produced nice views of *Macrothemis imitans* and both *Elasmothemis* species on the same twig. *Argia croceipennis* were also sharing the same twig. Very enjoyable!



An afternoon visit to the Forest Fragment was notable by the complete lack of activity. Sunny mornings are clearly best at this site.

9.2.20 - Cloud and intermittent sunshine

A return visit to Campestre de Salinas. We set off earlier today but windy and cloudy conditions on arrival did not help. As the cloud split up a bit, things improved a little. A return visit to the first pond had a few *Micrathyrta stawiarskii* but not too much else.

We then had a quick look at the nearby river and surrounding area. The most notable thing here was the large number of *Heteragrion aurantiacum* at the river edge. We decided to come back later.

The boggy area produced a few *Minagrion waltheri* and these were more photogenic than on our first visit. Also a single *Argia lilacina* was present.

We didn't hang around returning to the spot where Magnus and Tom had *Heteragrion ovatum* on our first visit. Bingo! A Male *ovatum* as soon as we arrived. I videoed this from all angles before eventually being distracted by *Forcepsioneura sancta*. Sadly we could not relocate any *Forcepsioneura lucia*. Coming out of the Forest we sat on the nearby bridge a while having lunch. My second but Magnus's first *Gomphoides infumata* showed up by the bridge, as did *Remartinia luteipennis*.



Back at the first bridge and we put a concerted effort in for *Oxyagrion hempelii*. This paid off when I found our first one in the grassland but it disappeared before Magnus got there. A frantic couple of minutes ensued before Magnus found it/or another nearby. We saw one more individual. It was nice to get this one bagged.



10.2.20 - Warm but overcast morning, rain later

Today we summoned up our energy for a morning return visit to the Reservoir. This was a good move as it added two new species for the trip. Firstly I found a Male *Erythrodiplax latimaculata* which then showed nicely for both of us (remember this fact Magnus!). Later Magnus found and photographed the only *Homeoura chelifera* of the trip but it vanished before I got there. It was good for Magnus to find this as he had spent all his time meticulously trawling through *Ischnuras*, just a shame it didn't hang around for me!



Once again the weather deteriorated in the afternoon.

11.2.20 - Rain, Rain and more Rain!

Today we just hung around the Lodge cursing at the sky. I made a valiant effort to get *Erythrodiplax fusca* on the day list, finding a sorry looking individual in the flower bed. The only species seen every day of the trip.

12.2.20 - Cloudy morning, rain all afternoon

A Male *Leptagrion macrurum* on the path side of the garden border was a nice find as we started off this morning.

We set off around the Yellow Trail this morning more in hope than expectation as it was cloudy but at least it wasn't raining. Well fortune favours the brave and this proved to be so when Magnus found a Female *Minagrion mecostogastrum*. It cleared off fairly quickly but at least we both saw it and Magnus fired off a few shots. This was the only one we saw all trip although Tom did see one at Vecchi large pool.

A freshly emerged *Miathyria simplex* next to its exuviae was also nice this morning.



13.2.20 - Overcast

Our last day at Regua before our evening flight home. We decided to go to the lower part of the Green Trail as there was more potential for something unusual.

Things were very slow. A search of the Bromeliads failed to produce a single *Leptagrion perlongum* which was strange. Not even a *Heteragrion triangulare*.

We eventually saw the odd *Heteragrion aurantiacum* before finding a *H. consors*. A flooded patch at about 150 metres held a couple of hawking *Rhionaeschna planaltica* and *Micrathyria atra*.

Things were very quiet until Magnus took a few steps down the trail and screamed "Helicopter". Not in a tourettes based impulse but in excitement that on his last day he managed to find what had been his nemesis all trip. A fantastic *Mecistogaster amalia* slowly drifted in front of us, perching occasionally before eventually going into cover. Lucky Bxxxxxd!

What a great finish to our trip! Not quite, I had an hour in the wetlands before packing.



Summary

Regua was everything and more than we thought it would be. I managed to see 142 species and the trip list including Magnus's sightings was 147. Tom saw an additional 5 species bringing the complete trip list total to 152.

The increase in wet weather towards the end of the trip without doubt cost Magnus and I a few species. Most notably Duskhawkers as rain stopped further attempts for these in our last week. We should also have spent more time searching through *Tramea* and *Tauriphilia* swarms for rarer species. Also for some reason *Nephepeltia flavifrons* and *Rhodopygia hollandi* were strangely absent. Every reason to return!



Detailed Species List

The following list is those species I personally saw although for completeness I have listed the additional sightings by Magnus and Tom at the end.

1	<i>Bryoplathanon globifer</i>	Giant Metallic	1 Male Tres Picos--Upper Ponds and Stream 2020-01-29
2	<i>Hetaerina brightwelli</i>	Foothill Rubyspot	1 Campestre de Salinas--Forest Trail 2020-01-28, Regua--Green Trail 2020-01-30, 2 Regua--Purple Trail 2020-02-04, 1 Campestre de Salinas--Forest Trail 2020-02-09
3	<i>Hetaerina hebe</i>	Purple Rubyspot	2 Regua--Forest Fragment--Second Clearing 2020-01-25, Regua--Green Trail 2020-01-30
4	<i>Hetaerina longipes</i>	Planalto Rubyspot	1 Male Tres Picos--Lower Stream and Peatbog 2020-01-29
5	<i>Hetaerina rosea</i>	Rosy Rubyspot	1 Regua--Stream at Entrance 2020-01-24, 5 Regua--Forest

			Fragment--Second Clearing 2020-01-25, Vecchi--Large Pond 2020-01-26, Regua--Green Trail 2020-01-27, Regua--Green Trail 2020-01-30, Silva Jardim--Rio Capivari 2020-01-31, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Rio Guapiacu near Old Wetlands 2020-02-08
6	<i>Heteragrion aurantiacum</i>	Orange-striped Flatwing	1 Regua--Wetlands--Yellow Trail 2020-01-24, 4 Regua--Forest Fragment--Second Clearing 2020-01-25, 1 Regua--Green Trail 2020-01-30, 1 Regua--Stream on 4km road 2020-01-31, 4 Regua--Wetlands--Yellow Trail 2020-02-01, 3 Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Purple Trail 2020-02-04, Vecchi--Large Pond 2020-02-05, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Rio Guapiacu near Old Wetlands 2020-02-08, 20 Campestre de Salinas--Bridge area 2020-02-09, Regua--Wetlands--Yellow Trail 2020-02-12, 2 Regua--Green Trail 2020-02-13
7	<i>Heteragrion consors</i>	Orange Flatwing	1 Male Regua--Forest Fragment--1st Clearing 2020-01-25, 1 Male Regua--Wetlands--Yellow Trail 2020-01-26, 4 Regua--Green Trail 2020-01-30, 1 Male Regua--Green Trail 2020-02-13
8	<i>Heteragrion dorsale</i>	Lemon-backed Flatwing	1 Female Regua--Green Trail 2020-01-30
9	<i>Heteragrion muryense</i>	Cryptic Dot-backed Flatwing	4 Tres Picos--Upper Ponds and Stream 2020-01-29, 1 Tres Picos--Upper Ponds and Stream 2020-01-29
10	<i>Heteragrion ovatum</i>	Dot-backed Flatwing	1 Male Campestre de Salinas--Forest Trail 2020-02-09
11	<i>Heteragrion rogeri</i>	Orange and Black Flatwing	6 Campestre de Salinas--Forest Trail 2020-01-28, 2 Tres Picos--Upper Ponds and Stream 2020-

			01-29, Campestre de Salinas--Forest Trail 2020-02-09
12	<i>Heteragrion sp.</i>	Persimmon Flatwing	4 Regua--Green Trail 2020-01-30
13	<i>Heteragrion triangulare</i>	Spray-zone Flatwing	1 Male Regua--Green Trail 2020-01-27, 1 Male Regua--Rio Guapiacu near Old Wetlands 2020-01-27, 1 Male Regua--Purple Trail 2020-02-04
14	<i>Lestes forcifera</i>	Rainpool Spreadwing	1 Male Vecchi--Small Fish Ponds 2020-02-05
15	<i>Lestes pictus</i>	Blue-tipped Spreadwing	2 Male Tres Picos--Upper Ponds and Stream 2020-01-29
16	<i>Lestes tricolor</i>	Brown-striped Spreadwing	2 Male Regua--"Lestes Swamp" 2020-01-24, 2 Male Regua--"Lestes Swamp" 2020-01-25, Regua--Pond on 4km Road 2020-02-01, 1 Regua--"Lestes Swamp" 2020-02-03
17	<i>Acanthagrion cuyabae</i>	Cuiaba Wedgetail	Vecchi--Small Fish Ponds 2020-01-26, Regua--Reservoir 2020-01-27, Vecchi--Small Fish Ponds 2020-02-05, Regua--Reservoir 2020-02-09
18	<i>Acanthagrion gracile</i>	Slender Wedgetail	Regua--"Lestes Swamp" 2020-01-24, Regua--"Lestes Swamp" 2020-01-25, Silva Jardim--Rio Capivari 2020-01-31, Regua--Pond on 4km Road 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-06, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Wetlands--Yellow Trail 2020-02-13
19	<i>Acanthagrion lancea</i>	Celeste Wedgetail	Regua--Wetlands--Yellow Trail 2020-01-24, Regua--Wetlands--Yellow Trail 2020-01-25, Regua--Old Wetlands 2020-01-27, Campestre de Salinas Pond 2020-01-28, Vecchi--Large Pond 2020-01-30, Regua--Pond on 4km Road 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-04, Vecchi--Large Pond 2020-02-05, Regua--Forest Fragment--Second

			Clearing 2020-02-06, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Old Wetlands 2020-02-08, Campestre de Salinas Pond 2020-02-09, Regua--Reservoir 2020-02-10, Regua--Wetlands--Yellow Trail 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-13
20	<i>Acanthagrion temporale</i>	Blue-sided Wedgetail	3 Regua--Lodge Garden 2020-01-23, Regua--Wetlands--Yellow Trail 2020-01-24, Regua--Wetlands--Yellow Trail 2020-01-25, Regua--Wetlands--Yellow Trail 2020-01-26, Regua--Old Wetlands 2020-01-27, Vecchi--Large Pond 2020-01-30, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-04, Vecchi--Large Pond 2020-02-05, Regua--Forest Fragment--Second Clearing 2020-02-06, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Reservoir 2020-02-10, 1 Regua--Lodge Garden 2020-02-11, Regua--Wetlands--Yellow Trail 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-13
21	<i>Aceratobasis macilenta</i>	Lesser Pendant	1 Male and 1 Female Vecchi--Large Pond 2020-02-05 (+ 1 Female by TK at same site 2020-1-26) New for Regua
22	<i>Argia croceipennis</i>	Blue-wedged Dancer	6 Regua--Green Trail 2020-01-27, Regua--Purple Trail 2020-02-04, Regua--Rio Guapiacu near Old Wetlands 2020-02-08
23	<i>Argia lilacina</i>	Lilac Dancer	1 Male Tres Picos--Lower Stream and Peatbog 2020-01-29
24	<i>Argia modesta</i>	Purple-striped Dancer	Regua--Wetlands--Yellow Trail 2020-01-25, Regua--Wetlands--Yellow Trail 2020-01-26, Silva Jardim--Rio Capivari 2020-01-31, Regua--Wetlands--Yellow

			Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Rio Guapiacu near Old Wetlands 2020-02-08
25	<i>Argia sordida</i>	Serra Dancer	1 Campestre de Salinas--Forest Trail 2020-01-28, 6 Tres Picos--Upper Ponds and Stream 2020-01-29, Regua--Green Trail 2020-01-30, Campestre de Salinas--Bog area 2020-02-09
26	<i>Enallagma novaehispaniae</i>	Neotropical Bluet	1 Vecchi--Large Pond 2020-01-26, Vecchi--Large Pond 2020-01-30, Silva Jardim--Rio Capivari 2020-01-31
27	<i>Ischnura capreolus</i>	Tiny Forktail	3 REGUA 2020-01-23, Regua--Wetlands--Yellow Trail 2020-01-24, Regua--Wetlands--Yellow Trail 2020-01-25, Regua--Wetlands--Yellow Trail 2020-01-26, Regua--Old Wetlands 2020-01-27, Vecchi--Large Pond 2020-01-31, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-04, Vecchi--Small Fish Ponds 2020-02-05, Regua--Forest Fragment--1st Clearing 2020-02-06, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Old Wetlands 2020-02-08, Regua--Reservoir 2020-02-10, Regua--Wetlands--Yellow Trail 2020-02-11, Regua--Wetlands--Yellow Trail 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-13
28	<i>Ischnura fluviatilis</i>	Austral Forktail	1 Regua--Lodge Garden 2020-01-23, Regua--Wetlands--Yellow Trail 2020-01-24, Regua--Wetlands--Yellow Trail 2020-01-25, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03,

			Vecchi--Small Fish Ponds 2020-02-05, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Wetlands--Yellow Trail 2020-02-08, Regua--Wetlands--Yellow Trail 2020-02-12
29	<i>Leptagrion elongatum</i>	Secretive Bromeliad Guard	1 Female Regua--Green Trail 2020-01-30 (Male seen by MB on 2020-1-27)
30	<i>Leptagrion macrurum</i>	Blue-and-Brown Bromeliad Guard	1 Regua--Green Trail 2020-01-30, 1 Regua--Brown Trail Start 2020-02-03, 2 Regua--Purple Trail 2020-02-04, 1 Campestre de Salinas--Forest Trail 2020-02-09, 1 Male Regua--Lodge Garden 2020-2-12
31	<i>Leptagrion perlongum</i>	Long-tailed Bromeliad Guard	25 Regua--Green Trail 2020-01-27
32	<i>Minagrion mecistogastrum</i>	Long-tailed Bluetip	1 Regua--Wetlands--Yellow Trail 2020-02-09
33	<i>Minagrion waltheri</i>	Orange-tailed Bluetip	2 Campestre de Salinas--Bog area 2020-01-28, 8 Campestre de Salinas--Bog area 2020-02-09
34	<i>Oxyagrion hempeli</i>	Large Mountain Coral	3 Campestre de Salinas--Bridge area 2020-02-09
35	<i>Oxyagrion pavidum</i>	Red-tipped Mountain Coral	1 Campestre de Salinas Pond 2020-01-28
36	<i>Oxyagrion simile</i>	Blue-tipped Mountain Coral	Campestre de Salinas Pond 2020-01-28, Tres Picos--Upper Ponds and Stream 2020-01-29
37	<i>Telagrion longum</i>	Flame-tip	1 Regua--"Lestes Swamp" 2020-01-23, 1 Regua--"Lestes Swamp" 2020-02-01, Regua--"Lestes Swamp" 2020-02-03, 1 Regua--Brown Trail Start 2020-02-03, 1 Regua--"Lestes Swamp" 2020-02-04
38	<i>Telebasis corallina</i>	Coral Firetail	1 Regua--Wetlands--Yellow Trail 2020-01-25, Vecchi--Small Fish Ponds 2020-01-26, Vecchi--Large Pond 2020-01-30, Silva Jardim--Rio Capivari 2020-01-31, Regua--Pond on 4km Road 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-04,

			Vecchi--Small Fish Ponds 2020-02-05, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Wetlands--Yellow Trail 2020-02-10, Regua--Wetlands--Yellow Trail 2020-02-12
39	<i>Telebasis filiola</i>	Striped Firetail	2 Regua--Wetlands--Yellow Trail 2020-01-24, Vecchi--Large Pond 2020-01-30, Regua--Wetlands--Yellow Trail 2020-02-04, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Wetlands--Yellow Trail 2020-02-08, Regua--Wetlands--Yellow Trail 2020-02-12
40	<i>Telebasis griffinii</i>	Swamp Firetail	1 Regua--Wetlands--Yellow Trail 2020-02-02, 1 Regua--Wetlands--Yellow Trail 2020-02-03, 1 Regua--Wetlands--Yellow Trail 2020-02-07
41	<i>Tigriagrion aurantinigrum</i>	Tiger Damsel	1 Vecchi--Large Pond 2020-01-26, 3 Vecchi--Large Pond 2020-02-05
42	<i>Epipleoneura venezuelensis</i>	Venezuelan Greytip	1 Regua--Stream on 4km road 2020-01-31
43	<i>Forcepsioneura Regua</i>	Regua Pincertip	1 Regua--Green Trail 2020-01-25
44	<i>Forcepsioneura sancta</i>	Seepage Pincertip	1 Regua--Forest Fragment--Second Clearing 2020-01-25, 1 Tres Picos--Upper Ponds and Stream 2020-01-29, 4 Campestre de Salinas--Forest Trail 2020-02-09
45	<i>Idioneura ancilla</i>	Ruby-eyed Leafhanger	3 Vecchi--Large Pond 2020-01-26, 1 Vecchi--Large Pond 2020-02-05
46	<i>Peristicta jalmosi</i>	Emerald Greytip	1 Regua--Old Wetlands 2020-01-27
47	<i>Mecistogaster amalia</i>	Amalia Helicopter	1 Vecchi--Large Pond 2020-01-26, 1 Regua--Green Trail 2020-02-13
48	<i>Anax concolor</i>	Blue-spotted Comet Darner	5 Vecchi--Small Fish Ponds 2020-01-26, Vecchi--Small Fish Ponds 2020-02-05
49	<i>Castoraeschna castor</i>	Gunsen Darner	1 Regua--Waterfall 2020-01-30 (A Male also seen by TK and MM-Campestre de Salinas 2002-01-28)
50	<i>Coryphaeschna adnexa</i>	Blue-faced	1 Vecchi--Small Fish Ponds

		Darner	2020-01-26, 1 Silva Jardim--Rio Capivari 2020-1-31, 1 Regua--Pond on 4km Road 2020-02-01
51	<i>Coryphaeschna perrensi</i>	Argentine Red Darner	2 Vecchi--Small Fish Ponds 2020-01-26, Regua--Pond on 4km Road 2020-02-01, 2 Regua--Wetlands--Yellow Trail 2020-02-07, 2 Regua--Old Wetlands 2020-02-08
52	<i>Coryphaeschna viriditas</i>	Mangrove Darner	1 Regua--Wetlands--Yellow Trail 2020-02-03
53	<i>Gynacantha nervosa</i>	Twilight Darner	2 Regua--By office buildings 2020-01-27 (TK also had a few on other days here)
54	<i>Remartinia luteipennis</i>	Malachite Darner	1 Campestre de Salinas Pond 2020-01-28, 1 Silva Jardim--Rio Capivari 2020-01-31
55	<i>Rhionaeschna itatiaia</i>	Itatiaia Darner	1 Tres Picos--Upper Ponds and Stream 2020-01-29
56	<i>Rhionaeschna planaltica</i>	Planalto Darner	1 Tres Picos--Upper Ponds and Stream 2020-01-29, 2 Regua--Green Trail 2020-02-13
57	<i>Triacanthagyna caribbea</i>	Caribbean Darner	2 Regua--Brown Trail Start 2020-01-27
58	<i>Triacanthagyna septima</i>	Pale-green Darner	2 Silva Jardim--Rio Capivari 2020-01-31
59	<i>Aphylla molossus</i>	Black-tailed Forceptail	1 Male Regua--Forest Fragment 2020-01-26, 1 Male and 1 Female Vecchi--Large Pond 2020-02-05
60	<i>Aphylla theodorina</i>	Double-ringed Forceptail	1 Male Regua--Old Wetlands 2020-01-27, 1 Male Regua--Pond on 4km Road 2020-02-01, 1 Male Regua--Old Wetlands 2020-02-08, 1 Female Regua--Reservoir 2020-02-10
61	<i>Cacoides latro</i>	South American Tigertail	1 Vecchi--Large Pond 2020-01-26, 3 Regua--Reservoir 2020-01-27, 1 Regua--Wetlands--Yellow Trail 2020-02-01, 1 Regua--Wetlands--Yellow Trail 2020-02-02, 1 Regua--Wetlands--Yellow Trail 2020-02-05, 1 Regua--Wetlands--Yellow Trail 2020-02-07, 2 Regua--Reservoir 2020-02-10
62	<i>Epigomphus paludosus</i>	Austral Knobtail	1 Male Regua--Forest Fragment 2020-01-25, 1 Female Regua--Forest Fragment 2020-02-06

63	<i>Gomphoides infumata</i>	Smoky Horntail	1 Male Regua--Purple Trail 2020-02-04, 1 Male Campestre de Salinas--Forest Trail 2020-02-09
64	<i>Phyllocycla gladiata</i>	Yellow-ringed Forceptail	2 Males Silva Jardim--Rio Capivari 2020-01-31
65	<i>Phyllocycla pallida</i>	Green Forceptail	1 Female Vecchi--Large Pond 2020-01-26
66	<i>Progomphus complicatus</i>	Two-striped Sanddragon	1 Female Regua--Forest Fragment 2020-01-25
67	<i>Progomphus intricatus</i>	Pale-tailed Sanddragon	2 Males Regua--Pond on 4km Road 2020-02-01
68	<i>Neocordulia carlochagasi</i>	Chagas's Emerald	2 Males Tres Picos--Upper Ponds and Stream 2020-01-29
69	<i>Anatya januaria</i>	Brazilian Blue-eye	1 Regua--"Lestes Swamp" 2020-01-25, 2 Regua--"Lestes Swamp" 2020-02-01, 1 Regua--"Lestes Swamp" 2020-02-01
70	<i>Brachymesia furcata</i>	Red-tailed Pennant	Vecchi--Large Pond 2020-01-26, 2 Vecchi--Large Pond 2020-01-30, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, 1 Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Reservoir 2020-02-10, Regua--Wetlands--Yellow Trail 2020-02-13
71	<i>Brachymesia herbida</i>	Tawny Pennant	1 Regua--Wetlands--Yellow Trail 2020-01-25, 1 Vecchi--Large Pond 2020-01-26, 1 Regua--Wetlands--Yellow Trail 2020-02-02, 1 Vecchi--Large Pond 2020-02-05, 1 Regua--Reservoir 2020-02-10
72	<i>Brechmorhoga praedatrix</i>	Elegant Clubskimmer	1 Regua--Green Trail 2020-01-30
73	<i>Dasythemis mincki</i>	Stripe-backed Skimmer	2 Campestre de Salinas--Forest Trail 2020-01-28, 6 Tres Picos--Lower Stream and Peatbog 2020-01-29, 10 Tres Picos--Upper Ponds and Stream 2020-01-29, 2 Campestre de Salinas--Forest Trail 2020-02-09
74	<i>Dasythemis venosa</i>	Dusty Skimmer	1 Regua--Wetlands--Yellow Trail 2020-01-24, 2 Regua--Forest Fragment--Second Clearing 2020-01-25, 1 Regua--

			Wetlands--Yellow Trail 2020-02-03
75	<i>Diastatops obscura</i>	Red-tailed Blackwing	1 Regua--Wetlands--Yellow Trail 2020-02-03, 2 Vecchi--Small Fish Ponds 2020-02-05, 2 Regua--Wetlands--Yellow Trail 2020-02-07, 3 Regua--Reservoir 2020-02-10
76	<i>Dythemis nigra</i>	Blue-eyed Setwing	1 Regua--Lodge Garden 2020-01-24, 5 Vecchi--Large Pond 2020-01-26, 2 Regua--Lodge Garden 2020-01-27, 3 Vecchi--Large Pond 2020-01-30, Regua--Wetlands--Yellow Trail 2020-02-01, 1 Regua--Lodge Garden 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Forest Fragment--Second Clearing 2020-02-08, Regua--Lodge Garden 2020-02-12
77	<i>Edonis helena</i>	Mantled Skimmer	1 Vecchi--Small Fish Ponds 2020-02-05 (+1 for TK and MB on 2020-01-26)
78	<i>Elasmothermis cannacrioides</i>	Golden Streamskimmer	1 Regua--Rio Guapiacu near Forest Fragment 2020-01-25, 3 Regua--Rio Guapiacu near Old Wetlands 2020-02-08, 1 Regua--Green Trail 2020-02-13
79	<i>Elasmothermis constricta</i>	Mottled Streamskimmer	1 Regua--Rio Guapiacu near Old Wetlands 2020-01-30, 1 Regua--Purple Trail 2020-02-04, 2 Regua--Rio Guapiacu near Old Wetlands 2020-02-08
80	<i>Erythemis carmelita</i>	Carmelita Pondhawk	Vecchi--Large Pond 2020-01-26, 2 Regua--Old Wetlands 2020-01-27, 1 Vecchi--Large Pond 2020-01-30, 1 Regua--Old Wetlands 2020-02-08
81	<i>Erythemis credula</i>	Blue Pondhawk	Vecchi--Small Fish Ponds 2020-01-26, Regua--Old Wetlands 2020-01-27, Silva Jardim--Rio Capivari 2020-01-31, Regua--Pond on 4km Road 2020-02-01, Vecchi--Small Fish Ponds 2020-02-05, Regua--Old Wetlands 2020-02-08, Regua--Reservoir 2020-02-10
82	<i>Erythemis haematogastra</i>	Red Pondhawk	2 Vecchi--Large Pond 2020-01-

			26, Regua--Old Wetlands 2020-01-27, Silva Jardim--Rio Capivari 2020-01-31, Regua--Pond on 4km Road 2020-02-01, 1 Regua--Wetlands--Yellow Trail 2020-02-03, 1 Regua--Lodge Garden 2020-02-05, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Old Wetlands 2020-02-08, Regua--Reservoir 2020-02-10, 1 Regua--Lodge Garden 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-13
83	<i>Erythemis mithroides</i>	Claret Pondhawk	Regua--Wetlands--Yellow Trail 2020-01-24, Regua--Wetlands--Yellow Trail 2020-01-25, Vecchi--Large Pond 2020-01-26, Regua--Old Wetlands 2020-01-27, Silva Jardim--Rio Capivari 2020-01-31, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Vecchi--Small Fish Ponds 2020-02-05, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Reservoir 2020-02-10, Regua--Wetlands--Yellow Trail 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-13
84	<i>Erythemis peruviana</i>	Flame-tailed Pondhawk	Regua--Wetlands--Yellow Trail 2020-01-24, Regua--Wetlands--Yellow Trail 2020-01-25, Regua--Old Wetlands 2020-01-27, Vecchi--Large Pond 2020-01-30, Silva Jardim--Rio Capivari 2020-01-31, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-04, Vecchi--Large Pond 2020-02-05, Regua--Forest Fragment--Second Clearing 2020-02-06, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Old Wetlands 2020-

			02-08, Regua--Wetlands--Yellow Trail 2020-02-13
85	<i>Erythemis plebeja</i>	Pin-tailed Pondhawk	1 Regua--Wetlands--Yellow Trail 2020-01-25, Silva Jardim--Rio Capivari 2020-01-31, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-04, Regua--Forest Fragment 2020-02-06, Regua--Wetlands--Yellow Trail 2020-02-07
86	<i>Erythemis vesiculosa</i>	Great Pondhawk	1 Vecchi--Small Fish Ponds 2020-01-26, 1 Silva Jardim--Rio Capivari 2020-01-31, 1 Vecchi--Small Fish Ponds 2020-02-05
87	<i>Erythrodiplax avittata</i>	Mottled Dragonlet	Regua--Wetlands--Yellow Trail 2020-01-24, Regua--Forest Fragment 2020-01-25, Regua--Wetlands--Yellow Trail 2020-01-25, Vecchi--Small Fish Ponds 2020-01-26, Vecchi--Large Pond 2020-01-26, Regua--Old Wetlands 2020-01-27, Regua--Reservoir 2020-01-27, Vecchi--Large Pond 2020-01-30, Regua--Pond on 4km Road 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-04, Vecchi--Small Fish Ponds 2020-02-05, Vecchi--Large Pond 2020-02-05, Regua--Forest Fragment--Second Clearing 2020-02-06, Regua--Wetlands--Yellow Trail 2020-02-07, 2 Regua--Old Wetlands 2020-02-08, Campestre de Salinas--Bog area 2020-02-09, Regua--Reservoir 2020-02-10, Regua--Lodge Garden 2020-02-11, Regua--Wetlands--Yellow Trail 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-13

88	<i>Erythrodiplax castanea</i>	Scarlet Dragonlet	Regua--Forest Fragment--Second Clearing 2020-01-25, Regua--Lodge Garden 2020-01-26, Vecchi--Large Pond 2020-01-26, 3 Regua--Old Wetlands 2020-01-27, 3 Campestre de Salinas--Bog area 2020-01-28, Vecchi--Large Pond 2020-01-30, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Vecchi--Large Pond 2020-02-05, Regua--Forest Fragment--Second Clearing 2020-02-06, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Old Wetlands 2020-02-08, 1 Campestre de Salinas--Bog area 2020-02-09
89	<i>Erythrodiplax famula</i>	Reddish Dragonlet	Vecchi--Small Fish Ponds 2020-01-26, Vecchi--Small Fish Ponds 2020-02-05
90	<i>Erythrodiplax fusca</i>	Red-faced Dragonlet	Regua--Wetlands--Yellow Trail 2020-01-24, Regua--Lodge Garden 2020-01-24, Regua--Lodge Garden 2020-01-25, Regua--Forest Fragment--Second Clearing 2020-01-25, Regua--Wetlands--Yellow Trail 2020-01-25, Regua--Lodge Garden 2020-01-26, Vecchi--Small Fish Ponds 2020-01-26, Vecchi--Large Pond 2020-01-26, Regua--Lodge Garden 2020-01-27, Regua--Old Wetlands 2020-01-27, Regua--Green Trail 2020-01-27, Regua--Reservoir 2020-01-27, Regua--Lodge Garden 2020-01-28, Campestre de Salinas--Bog area 2020-01-28, 1 Tres Picos--Lower Stream and Peatbog 2020-01-29, Vecchi--Large Pond 2020-01-30, Regua--Lodge Garden 2020-01-31, Silva Jardim--Rio Capivari 2020-01-31, Regua--Lodge Garden 2020-02-01, Regua--Pond on 4km Road 2020-02-01,

			Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Lodge Garden 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Lodge Garden 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Lodge Garden 2020-02-04, Regua--Wetlands--Yellow Trail 2020-02-04, Regua--Lodge Garden 2020-02-05, Vecchi--Small Fish Ponds 2020-02-05, Vecchi--Large Pond 2020-02-05, Regua--Lodge Garden 2020-02-06, Regua--Forest Fragment--Second Clearing 2020-02-06, Regua--Lodge Garden 2020-02-07, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Lodge Garden 2020-02-08, Regua--Old Wetlands 2020-02-08, Regua--Forest Fragment--Second Clearing 2020-02-08, Campestre de Salinas--Bog area 2020-02-09, Regua--Lodge Garden 2020-02-10, Regua--Reservoir 2020-02-10, Regua--Lodge Garden 2020-02-11, Regua--Lodge Garden 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-12, Regua--Lodge Garden 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-12
91	<i>Erythrodiplax juliana</i>	Grassland Dragonlet	3 Campestre de Salinas--Bog area 2020-01-28, 1 Regua--Pond on 4km Road 2020-02-01, 1 Vecchi--Small Fish Ponds 2020-02-05, 1 Campestre de Salinas--Bog area 2020-02-09
92	<i>Erythrodiplax latimaculata</i>	Black-mantled Dragonlet	1 Male Regua--Reservoir 2020-02-10
93	<i>Erythrodiplax laurentia</i>	Silver-clouded Dragonlet	1 Vecchi--Large Pond 2020-01-26, 1 Vecchi--Large Pond 2020-01-30, 3 Regua--"Lestes Swamp" 2020-01-31
94	<i>Erythrodiplax media</i>	Black and Blue	1 Regua--Lodge Garden 2020-

		Dragonlet	02-03, 2 Regua--Wetlands--Yellow Trail 2020-02-07, 1 Regua--Lodge Garden 2020-02-12
95	<i>Erythrodiplax melanorubra</i>	Red and Blue Dragonlet	3 Campestre de Salinas Pond 2020-01-28, 2 Campestre de Salinas--Bog area 2020-01-28, 1 Campestre de Salinas--Bog area 2020-02-09
96	<i>Erythrodiplax ochracea</i>	Ochre Dragonlet	1 Female Silva Jardim--Rio Capivari 2020-01-31
97	<i>Erythrodiplax paraguayensis</i>	Paraguayan Dragonlet	10 Vecchi--Small Fish Ponds 2020-01-26, 12 Regua--Reservoir 2020-01-27, Silva Jardim--Rio Capivari 2020-01-31, Regua--Pond on 4km Road 2020-01-31, Reservoir 2020-02-10
98	<i>Erythrodiplax umbrata</i> LC	Band-winged Dragonlet	1 Regua--Lodge Garden 2020-01-23, Vecchi--Small Fish Ponds 2020-01-26, Regua--Reservoir 2020-01-27, Campestre de Salinas--Bog area 2020-01-28, Vecchi--Large Pond 2020-01-30, Silva Jardim--Rio Capivari 2020-01-31, Regua--Wetlands--Yellow Trail 2020-02-01, Vecchi--Small Fish Ponds 2020-02-05, Regua--Forest Fragment--Second Clearing 2020-02-06, 1 Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Old Wetlands 2020-02-08, Campestre de Salinas--Bog area 2020-02-09, Regua--Reservoir 2020-02-10, Regua--Wetlands--Yellow Trail 2020-02-12
99	<i>Idiataphe amazonica</i>	Amazon Pennant	1 Vecchi--Small Fish Ponds 2020-01-26, 3 Regua--Reservoir 2020-01-27, 1 Vecchi--Large Pond 2020-01-30, 1 Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Reservoir 2020-02-10
100	<i>Idiataphe longipes</i>	Auburn Pennant	1 Regua--Pond on 4km Road 2020-02-01
101	<i>Libellula herculea</i>	Hercules Skimmer	3 Males and 1 Female Regua--Green Trail 2020-01-30,
102	<i>Macrothemis capitata</i>	White-fronted	2 Tres Picos--Lower Stream

		Sylph	and Peatbog 2020-01-29
103	<i>Macrothemis hemichlora</i>	Delta-fronted Sylph	1 at Roadside 2020-01-30
104	<i>Macrothemis imitans</i>	Ivory-striped Sylph	1 Regua--Rio Guapiacu near Old Wetlands 2020-01-27, 1 Regua--Forest Fragment--Second Clearing 2020-02-06, 2 Regua--Rio Guapiacu near Old Wetlands 2020-02-08
105	<i>Macrothemis marmorata</i>	Marbled Sylph	1 Tres Picos--Lower Stream and Peatbog 2020-01-29
106	<i>Macrothemis musiva</i>	Delicate Sylph	1 Regua--Forest Fragment--Second Clearing 2020-01-25
107	<i>Macrothemis rupicola</i>	Dusty Sylph	4 Regua--Purple Trail 2020-02-04
108	<i>Macrothemis tessellata</i>	Waterfall Sylph	3 Regua--Waterfall 2020-01-30
109	<i>Miathyria simplex</i>	Dwarf Glider	1 Regua--Wetlands--Yellow Trail 2020-01-24, Regua--Old Wetlands 2020-01-27, 2 Vecchi--Large Pond 2020-01-30, Regua--Pond on 4km Road 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Old Wetlands 2020-02-08, Regua--Reservoir 2020-02-10, Regua--Wetlands--Yellow Trail 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-13
110	<i>Micrathyria artemis</i>	Artemis Dasher	Regua--Old Wetlands 2020-01-27, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-07
111	<i>Micrathyria athenais</i>	Blue-grey Dasher	Campestre de Salinas Pond 2020-01-28
112	<i>Micrathyria atra</i>	Black Dasher	2 Regua--"Lestes Swamp" 2020-01-24, 10 Regua--"Lestes Swamp" 2020-01-25, 1 Regua--"Lestes Swamp" 2020-01-26, Regua--Wetlands--Yellow Trail 2020-01-27, Regua--"Lestes Swamp" 2020-02-01, Regua--"Lestes Swamp" 2020-02-03, 1 Regua--Wetlands--Yellow Trail 2020-02-04, Regua--"Lestes

			Swamp" 2020-02-07, Regua--Green Trail 2020-02-13
113	<i>Micrathyria catenata</i>	Bow-tailed Dasher	Vecchi--Small Fish Ponds 2020-01-26, Regua--Old Wetlands 2020-01-27, Silva Jardim--Rio Capivari 2020-01-31, Regua--Pond on 4km Road 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-04, Vecchi--Small Fish Ponds 2020-02-05, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Reservoir 2020-02-10, Regua--Wetlands--Yellow Trail 2020-02-13
114	<i>Micrathyria hesperis</i>	Hieroglyphic Dasher	3 Regua--Wetlands--Yellow Trail 2020-01-24, Regua--Wetlands--Yellow Trail 2020-01-25, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Vecchi--Small Fish Ponds 2020-02-05, Regua--Wetlands--Yellow Trail 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-13
115	<i>Micrathyria laevigata</i>	Swamp Dasher	2 Regua--"Lestes Swamp" 2020-01-24, 1 Regua--Wetlands--Yellow Trail 2020-02-04
116	<i>Micrathyria ocellata</i>	Square-spotted Dasher	1 Regua--Wetlands--Yellow Trail 2020-01-25, Silva Jardim--Rio Capivari 2020-01-31, Regua--Pond on 4km Road 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-12
117	<i>Micrathyria pseudeximia</i>	Little Swamp Dasher	1 2020-01-26, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-07
118	<i>Micrathyria sp.</i>	Powdered Dasher	Tres Picos--Upper Ponds and Stream 2020-01-29
119	<i>Micrathyria spuria</i>	Stripe-tailed	1 Male Vecchi--Small Fish

		Dasher	Ponds 2020-01-26, 2 Male Regua--Pond on 4km Road 2020-02-01, 1 Male Vecchi--Small Fish Ponds 2020-02-05
120	<i>Micrathyria stawiarskii</i>	Dot-tailed Dasher	Campestre de Salinas Pond 2020-01-28, Campestre de Salinas Pond 2020-02-09
121	<i>Micrathyria tibialis</i>	Pale-footed Dasher	1 Vecchi--Large Pond 2020-01-26, 1 Vecchi--Large Pond 2020-01-30, 1 Silva Jardim--Rio Capivari 2020-01-31
122	<i>Nephepeltia phryne</i>	Spine-bellied Dryad	2 Regua--Wetlands--Yellow Trail 2020-01-25, Vecchi--Small Fish Ponds 2020-01-26, Regua--Old Wetlands 2020-01-27, Silva Jardim--Rio Capivari 2020-01-31, Regua--Pond on 4km Road 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Vecchi--Small Fish Ponds 2020-02-05, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Old Wetlands 2020-02-08, Regua--Reservoir 2020-02-10, Regua--Wetlands--Yellow Trail 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-13
123	<i>Oligoclada laetitia</i>	Laetitia Leafsitter	2 Regua--Wetlands--Yellow Trail 2020-01-24, Regua--Wetlands--Yellow Trail 2020-01-25, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Wetlands--Yellow Trail 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-13
124	<i>Orthemis aequilibris</i>	Side-striped Skimmer	1 Silva Jardim--Rio Capivari 2020-01-31
125	<i>Orthemis attenuata</i>	Attenuate Skimmer	5 Vecchi--Large Pond 2020-01-26, Silva Jardim--Rio Capivari 2020-01-31, 1 Regua--Wetlands--Yellow Trail 2020-02-03, Vecchi--Large Pond 2020-02-05, Regua--Wetlands--

			Yellow Trail 2020-02-07
126	<i>Orthemis cultriformis</i>	Swamp Skimmer	5 Regua--Forest Fragment--1st Clearing 2020-01-25, 1 Regua--Lodge Garden 2020-01-26, 1 Regua--Lodge Garden 2020-02-02
127	<i>Orthemis discolor</i>	Carmine Skimmer	1 Regua--Wetlands--Yellow Trail 2020-01-24, Regua--Forest Fragment 2020-01-25, Vecchi--Large Pond 2020-01-26, Regua--Old Wetlands 2020-01-27, Regua--Green Trail 2020-01-30, Silva Jardim--Rio Capivari 2020-01-31, Regua--"Lestes Swamp" 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-03, Vecchi--Large Pond 2020-02-05, Regua--Forest Fragment 2020-02-06, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Forest Fragment 2020-02-08, Regua--Reservoir 2020-02-10, Regua--Lodge Garden 2020-02-11, Regua--Wetlands--Yellow Trail 2020-02-12, Regua--Green Trail 2020-02-13
128	<i>Orthemis schmidtii</i>	Red-tailed Skimmer	Regua--Reservoir 2020-01-27, Silva Jardim--Rio Capivari 2020-01-31, Regua--Reservoir 2020-02-10
129	<i>Pantala flavescens</i>	Wandering Glider	2 Regua--Lodge Garden 2020-01-24, Vecchi--Large Pond 2020-01-26, Regua--Reservoir 2020-01-27, Campestre de Salinas--Bog area 2020-01-28, Vecchi--Large Pond 2020-01-30, Silva Jardim--Rio Capivari 2020-01-31, Regua--Lodge Garden 2020-02-02, Regua--Lodge Garden 2020-02-03, Vecchi--Small Fish Ponds 2020-02-05, Regua--Forest Fragment 2020-02-08, Campestre de Salinas--Bog area 2020-02-09, Regua--Reservoir 2020-02-10
130	<i>Perithemis electra</i>	Swamp Amberwing	2 Silva Jardim--Rio Capivari 2020-01-31
131	<i>Perithemis icteroptera</i>	Pampa Amberwing	1 Campestre de Salinas Pond 2020-01-28

132	<i>Perithemis mooma</i>	Pallid Amberwing	4 Regua--Wetlands--Yellow Trail 2020-01-25, 2 Vecchi--Large Pond 2020-01-26, Regua--Old Wetlands 2020-01-27, Regua--Green Trail 2020-01-30, 1 Silva Jardim--Rio Capivari 2020-01-31, Regua--Pond on 4km Road 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Old Wetlands 2020-02-08, Regua--Wetlands--Yellow Trail 2020-02-12, 1 Regua--Wetlands--Yellow Trail 2020-02-13
133	<i>Perithemis thais</i>	Broad-banded Amberwing	1 Vecchi--Large Pond 2020-01-26, 1 Vecchi--Large Pond 2020-02-05
134	<i>Planiplax arachne</i>	Scarlet Spiderlegs	2 Regua--Reservoir 2020-01-27, Silva Jardim--Rio Capivari 2020-01-31, 3 Regua--Reservoir 2020-02-10
135	<i>Planiplax phoenicura</i>	Guiana Spiderlegs	Regua--Wetlands--Yellow Trail 2020-01-25, Vecchi--Large Pond 2020-01-26, Regua--Old Wetlands 2020-01-27, Vecchi--Large Pond 2020-01-30, Silva Jardim--Rio Capivari 2020-01-31, Regua--Pond on 4km Road 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Wetlands--Yellow Trail 2020-02-13
136	<i>Rhodopygia cardinalis</i>	Cardinal Redskimmer	2 Regua--Wetlands--Yellow Trail 2020-01-24, Regua--Wetlands--Yellow Trail 2020-01-25, Vecchi--Small Fish Ponds 2020-01-26, Regua--Old Wetlands 2020-01-27, 3 Vecchi--Large Pond 2020-01-30, Regua--Wetlands--Yellow Trail 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--

			Yellow Trail 2020-02-04, Regua--Forest Fragment 2020-02-06, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Old Wetlands 2020-02-08, Regua--Lodge Garden 2020-02-11, Regua--Wetlands--Yellow Trail 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-13
137	<i>Rhodopygia pruinosa</i>	Dusty Redskimmer	1 Regua--"Lestes Swamp" 2020-01-25, Regua--Wetlands--Yellow Trail 2020-02-01, 1 Regua--Wetlands--Yellow Trail 2020-02-03, 2 Regua--Purple Trail 2020-02-04, Vecchi--Large Pond 2020-02-05, 1 Regua--Forest Fragment 2020-02-06, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Lodge Garden 2020-02-11, 1 Regua--Wetlands--Yellow Trail 2020-02-13
138	<i>Tauriphila argo</i>	Arch-tipped Glider	Vecchi--Small Fish Ponds 2020-01-26, Regua--Old Wetlands 2020-01-27, Regua--Pond on 4km Road 2020-02-01, Vecchi--Large Pond 2020-02-05, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Reservoir 2020-02-10, Regua--Wetlands--Yellow Trail 2020-02-12
139	<i>Tamea abdominalis</i>	Vermilion Saddlebags	Regua--Old Wetlands 2020-01-27, Regua--Pond on 4km Road 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Regua--Wetlands--Yellow Trail 2020-02-07
140	<i>Tamea binotata</i>	Sooty Saddlebags	Regua--Wetlands--Yellow Trail 2020-01-25, Vecchi--Small Fish Ponds 2020-01-26, Regua--Old Wetlands 2020-01-27, Vecchi--Large Pond 2020-01-30, Silva Jardim--Rio Capivari 2020-01-31, Regua--Pond on 4km Road 2020-02-01, Regua--Wetlands--Yellow Trail 2020-02-02, Regua--Wetlands--Yellow Trail 2020-02-03, Vecchi--Small Fish

			Ponds 2020-02-05, Regua--Forest Fragment 2020-02-06, Regua--Wetlands--Yellow Trail 2020-02-07, Regua--Old Wetlands 2020-02-08, Regua--Reservoir 2020-02-10, Regua--Wetlands--Yellow Trail 2020-02-12, Regua--Wetlands--Yellow Trail 2020-02-13
141	<i>Tramea calverti</i>	Striped Saddlebags	1 Vecchi--Small Fish Ponds 2020-02-05
142	<i>Zenithoptera lanei</i>	Clearspot Bluewing	Vecchi--Small Fish Ponds 2020-01-26, Regua--Pond on 4km Road 2020-02-01, Vecchi--Small Fish Ponds 2020-02-05
Additional Species seen by MB and TK			
143	<i>Homeoura chelifera</i>	Common Marshdamselfly	Reported by TK somewhere in the Regua Wetlands-2020-1-25 1 Male seen by MB Regua--Reservoir 2020-2-12
144	<i>Forcepsioneura lucia</i>	Moss-cliff Pincertip	1 seen by TK and MB 2020-1-28
145	<i>Gynacantha bifida</i>	Wing-striped Duskhawker	Seen by TK on two dates near the research accommodation (2020-1-28 + 2020-1-31)
146	<i>Gynacantha mexicana</i>	Bar-sided Duskhawker	Seen by TK at Silva Jardim-Rio Capivari 2020-1-31
147	<i>Staurophlebia reticulata</i>	Magnificent Megadarn	1 Seen by MB 2020-1-31 and several by TK at Siva Jardim--Rio Capivari
148	<i>Elga leptostyla</i>	Blue-eyed Fairy	1 Male Seen by MB and another by TK 2020-1-26 Vecchi--Large Pond
149	<i>Macrothemis declivata</i>	Racket-tailed Sylph	1 seen by TK and MB 2020-1-25 at Forest Fragment and another by TK at the Waterfall 2020-1-30
150	<i>Miathyria marcella</i>	Hyacinth Glider	Seen by TK 2020-1-31 at Silva Jardim--Rio Capivari and 2020-2-1 at Regua--Pond on 4km Road
151	<i>Tauriphila australis</i>	Garnet Glider	Seen by TK 2020-1-31 at Siva Jardim--Rio Capivari
152	<i>Tauriphila xiphea</i>	White-tailed Glider	Seen by TK 2020-1-31 at Siva Jardim--Rio Capivari