

Borneo

Sabah Extension

30th April to 6th May 2023 (7 days)

Sabah Main

7th to 18th May 2023 (12 days)

Sarawak Extension

19th to 25th May 2023 (7 days)

Trip Report



Sunda Clouded Leopard by Liew Weng Keong

Trip report compiled by Tour Leader: Adam Walley

Tour in Detail



Bornean Peacock-Pheasant Liew Weng Keong

The pre-trip started with an early morning drive out of Kota Kinabalu up to Trus Madi. In the early morning light, we settled into an amazingly comfortable blind with cups of coffee, noodles, and snacks at hand as we watched an astounding number of birds and mammals visiting the feeding station throughout the morning. What an experience! Even as we arrived the Crested Partridge were on site and this otherwise very difficult to see bird was in view most of the morning. After just a few minutes wait the star of the show, a male Bulwer's Pheasant, arrived on scene! One of the world's ultimate birds and up until now one of Borneo's hardest birds to see we savoured the incredible views for a long time. After he disappeared a pair showed up with both the male and female present. At the same time a jaw dropping male Bornean Banded Pitta was sitting in front of us as well. This was amazing - where to look?!? The pittas showed off and on through the morning, along with a long list of other impressive species: Dayak Blue and Rufous-chested Flycatcher, Temminck's, Gray-throated, Gray-hooded and Bornean Black-capped Babbler and slightly more regular fare like Asian Emerald Dove, Penan Bulbul, Chestnut-hooded Laughingthrush and White-crowned Shama, each giving unbelievable views. Constantly present were a variety of treeshrews and squirrels. Rarest of the lot was the Sculptor Squirrel, while others included Bornean Black-banded, Bornean Ground, Low's and Jentink's Squirrels along with an incredible four species of treeshrews: Large, Mountain, Lesser and Long-footed. What a morning! Exiting the blind, we then drove on to Telupid.

Next morning saw us with a bit of a hike into another blind. We knew this one was going to be much quieter but with an even bigger prize as a possibility. Even as we arrived, we heard the loud calls of the Bornean Peacock Pheasant, until recently one of those nearly mythical species. The bird called for hours from just out of view. There was little to watch as we waited patiently, hoping for the bird to emerge into view. Low's and Plantain Squirrel, an occasional White-crowned Shama or Yellow-bellied Bulbul appeared. Suddenly, after three hours of calling the bird was there and wandering into the clearing. An ecstatic ten minutes followed as it preened and fed in full view, and we savoured views to our heart's content. Birding does not get better than this. We headed out from the blind on an all-time high!

The following day our group gathered in Telupid where we transferred into four-wheel drives for the drive to Deramakot Reserve. After getting settled and having dinner while waiting for darkness to fall we headed out on our first of four long night drives. We kicked things off with a Red Giant Flying Squirrel that glided almost right



Bulwer's Pheasant by Liew Weng Keong

over our heads for an amazing start. Next up was a Buffy Fish Owl and then we made further stops for more Red and Thomas' Giant Flying Squirrel and Bornean Small-toothed Palm Civets. Later in the night terrestrial mammals started to get more active and we saw Malay Civet, Bornean Palm Civet, and a fantastic Sunda Leopard Cat sighting. We were also exceptionally fortunate to have a brief sighting of an Otter Civet, one of the most poorly known and most wanted mammals of southeast Asia. It was walking in the ditch and then headed off into the undergrowth not to be seen again. Rounding out the night drive we had a couple of excellent sightings of Bornean Slow Loris, one of which was running!

After taking some time to catch up on sleep we did some casual birding around the forest camp. A few nice sightings included Square-tailed Drongo Cuckoo, a fantastic Whiskered Treeswift, a low-flying Brown-backed Needletail, high flying Large Green Pigeon and many others. That evening we boarded our vehicle for another long night drive. We started out with the usual suspects – flying squirrels and palm civets plus great views of Large Flying Fox feeding in a fruiting tree. Eventually we arrived at the Balat River for a stretch of the legs. While looking at Saltwater Crocodile eyeshine we noticed two glowing eyes on the expansive riverbank on the far shore staring back at us. It was tantalizing as it appeared to be a cat, but the distance was too far for our flashlights to make out any detail. We were able to manoeuvre the truck into a position where we could use the spotlight and were shocked to see a Bornean Bay Cat staring back at us! WOW! It didn't like the strong light and slowly sauntered off into the vegetation not to be seen again, leaving us pinching ourselves having just seen the world's most rarely encountered feline! Incredible stuff! We still had a long drive ahead of us and there was plenty more in store as we saw a Barred Eagle Owl and then an absolutely massive Reticulated Python that was starting to cross the road. It must have been at least 12 feet long and moved with frightening and shocking speed when it got spooked! We also saw a Long-tailed Porcupine as a few drops of rain began which then turned into a deluge as we got back to camp thoroughly soaked and having had a night to remember.

Some more casual birding around the forest camp yielded lovely views of some glowing Van Hasselt's Sunbird, along with Finsch's Bulbul, Buff-necked Woodpecker and a Helmeted Hornbill heard calling in the distance, amongst others. The focus again was a long night drive. Tonight, was quieter for mammals although we did enjoy amazing views of a mother and fawn Greater Mouse Deer along with briefer views of Sunda Leopard Cat, Malay Civet and Bornean Small-toothed Palm Civet. But it was a memorable night for nocturnal birds. In addition to Buffy Fish Owl, we also stopped for a Brown Wood Owl that was holding a huge beetle in its mouth as it



Helmeted Hornbill by Liew Weng Keong

screached. We then saw its mate swoop in and land beside their white chick as she fed it a huge dragonfly and a large walking stick. But the highlight of the night was surely Large Frogmouth of which we found not one, not two, but three of these phenomenal birds!

The next day was again relaxed with a plan to head out for an afternoon excursion although just as we were preparing to leave a black cloud and loud thunder was followed by a massive downpour that lasted the remainder of the daylight hours. After dark it continued to drizzle, and we waited it out for a while but ultimately decided to head out in the drizzle which was predictably very quiet. Certainly worth it though as we did have a great find of a Sunda Colugo sitting out in the rain. Eventually things dried up a bit and so we continued to drive until well into the night seeing Bornean Palm Civet, Malay Civet and Sambar Deer along with Buffy Fish Owl. One of the evening's highlights was a Wallace's Flying Frog.

The next morning, after a short sleep, we left early to arrive at the Sandakan airport. The full group met up in Kota Kinabalu that afternoon for a fantastic seafood dinner and early the next morning we were winding our way up to Gunung Alab where a chilly and misty morning greeted us. At daybreak there were several birds coming to feed on moths around the comms tower and giving unbeatable views: Bornean Treepie, Sunda and Chestnut-capped Laughingthrush, Grey-throated Babbler, Mountain Tailorbird, Chestnut-crested Yuhina and Indigo Flycatcher amongst others, not to mention the spectacular variety of the moths themselves! We then went a short distance into the forest where we had incredible views of a pair of very cooperative, Red-breasted Partridge. Down at the Gunung Alab restaurant we enjoyed coffee, cake, and a nesting colony of presumed Bornean Swiftlets. We then continued down to the Rafflesia Reserve where we were shown a couple of spectacular *Rafflesia pricei* in bloom, along with a delightful Whitehead's Tufted Squirrel, while the birding was also excellent with nice views of Mountain Barbet and Dark Hawk Cuckoo, the latter after a very long search. Continuing we were thrilled when our driver David spotted a White-fronted Falconet that we scoped at leisure until it caught a birdwing butterfly that it then brought to its mate in a nesting hole. Incredible stuff! We then arrived at Kinabalu National Park where we were greeted with a very cooperative male Black-sided Flowerpecker and then a deluge of rain. Once the rain stopped, we saw in short order three excellent birds, Bornean Forktail, Crimson-headed Partridge, and Bornean Whistling Thrush. We then birded along the main



Large Frogmouth by Bernard Roelen



Whitehead's Trogon by Liew Weng Keong

road for the remainder of the day in rather gloomy conditions but were very fortunate in having excellent views of a trio of Bare-headed Laughingthrush along with a furtive Everett's Thrush. What a day!

Daybreak saw us in Kinabalu Park in time to see the early rising Everett's Thrush feeding on the road in the gloomy early morning light. An excellent start that was soon followed by several other shy forest birds emerging to the roadside: Eye-browed Jungle Flycatcher, Bornean Forktail and even a Bornean Stubtail which put on a wonderful show. A bit higher up we were wowed by a striking Whitehead's Spiderhunter feeding on pink rhododendron flowers for a couple minutes, stunning. Then we were quite shocked to see a Mountain Serpent Eagle perched on a roadside wire that gave undoubtedly some of the best views anyone has ever obtained of this scarce raptor. Our day was off to quite the start! Higher still, where the road ends, we added Mountain Blackeye, Golden-naped Barbet, Temminck's Sunbird and White-browed Shrike Babbler while several species of squirrel kept us very busy: Bornean Mountain Ground, gorgeous Jentink's and Whitehead's Tufted, Bornean Black-banded and the rarely seen Brooke's Squirrel all showed well! We continued to bird the road enjoying very confiding Mountain Wren Babbler, a Mountain Imperial Pigeon sat on its nest, Bornean Green Magpie and the infrequently seen Pygmy Flycatcher along with some roosting Woolly Horseshoe Bats as well.



Whitehead's Broadbill by Liew Weng Keong

At our lunch stop we added some unusually good views of Pygmy White-eye along with yet more squirrels, including the rarely encountered Sculptor



Whitehead's Spiderhunter by Liew Weng Keong

Squirrel – 6 species for the morning! After a siesta with clouds rolling back revealing majestic views of Kinabalu peak, we returned to the high elevation forests and struck it lucky when David found us a pair of the incomparable Whitehead's Trogon. Very fortunate indeed as the species had recently been proving difficult to see and they showed so well for us. We also saw a Yellow-breasted Warbler feeding a Sunda Cuckoo chick and a handful of other birds and after dusk stayed in the park where we were treated to a surprisingly cooperative Mountain Scops Owl that was randomly spot-lit, along with a host of interesting invertebrates topped by an incredible trilobite beetle. A very special day on the mountain!

Back at it early the next morning we had a Whitehead's Broadbill flying around and perching briefly in the early morning light. Temminck's Babblers were also seen nearby but rather uncooperative. We relocated the Whitehead's Trogon pair from yesterday for more memorable viewing. Higher up the road we enjoyed our best views of the mountain along with steady birding including Mountain Blackeye, Bornean Treepie and yet another new squirrel, the Kinabalu Giant Squirrel, plus both Mountain and Lesser Treeshrew. Later in the morning a Crimson-headed Partridge came walking down the hill and crossed the road right beside us, another memorable sighting! After a tasty outdoor lunch and a little siesta, we were back at it for one final session on the mountain. Here we finally tracked down Pale-faced Bulbul which had been oddly elusive up till now. We also enjoyed great views of Sunda Cuckoo and further down our best looks yet at the Whitehead's Trogon. Finally with the last of the good light for the day nearly up a mind-blowing male Whitehead's Broadbill perched out in the open as we savoured perfect views for several minutes!



Mountain Serpent Eagle by Liew Weng Keong

After a leisurely breakfast we headed down to Poring Hot Springs where we birded the forest edge for a couple hours. Here we were able to appreciate a wide variety of the commoner sunbirds, flowerpeckers, bulbuls and barbets. Some top sights included Golden-whiskered Barbet, Crimson, Ruby-cheeked and Brown-throated Sunbirds, a couple of Hume's White-eyes and a heard only Fulvous-chested Jungle Flycatchers. A



Bornean Orangutan by Liew Weng Keong

Frilled Flying Lizard, a Crested Green Lizard, a Bornean Skink, and numerous attractive Prevost's Squirrels were also all well appreciated before we continued our way with a longish drive to Sepilok broken up by a tasty lunch en route. After dropping off our bags at our resort we headed into the stunning dipterocarp rainforests of the Sepilok area for the remainder of the afternoon. Within minutes we were having unbeatable views of a glowing Black-crowned Pitta that was being accompanied by a Short-tailed Babbler. An exceptionally close Wallace's Hawk Eagle and a wide-eyed roosting pair of Brown Boobooks were other highlights with many other birds noted including Chestnut-breasted Malkoha, Crimson-winged and Banded Woodpecker and Copper-throated Sunbird. At dusk an extraordinary sighting of a male White-crowned Hornbill capped off what had been an exceptional few hours of afternoon birding.

We started the next morning up on the canopy tower, after navigating our way past some bold Pig-tailed Macaques. We enjoyed exceptional eye level views of Blue-crowned Hanging Parrot, Blue-eared and Brown Barbet, Red-throated Sunbird and Green Iora when the distant calls of Bornean Bristlehead were heard ringing out. So we hastily left the tower and criss-crossed trails for a bit before clamping eyes on a stunning Bristlehead just over our heads relatively low down in a tree. Phenomenal stuff! Continuing birding for the morning we had a fantastic sighting of Diard's Trogon and a cooperative Oriental Dwarf Kingfisher, a friendly pair of Black Magpie, a showy Bornean Black-capped Babbler and a windfall of woodpeckers: White-bellied, Rufous, Maroon, Buff-rumped and Buff-necked! Quite the morning. After a short break during the heat of the day we continued birding seeing Hooded Pitta, an amazing experience watching a copulating pair of Rhinoceros Hornbill, plus Gray-and-buff Woodpecker (our 8th woodpecker species on the day)! As dusk fell, we waited on the canopy walkway as a couple of Red Giant Flying Squirrels emerged from their nesting boxes and watched in awe as they glided over our heads. We were also extremely fortunate to have eyeball to eyeball looks at a Black Flying Squirrel. Continuing our night walk we struck gold when our local guide spotted a Western Tarsier clinging to a small tree right beside the path and enjoyed exceptional viewing of that most unusual looking primate! The night walk produced more great sightings including Philippine Pit Viper, Slow Loris, Bornean Crested Dragon and even a sleeping Rufous-collared Kingfisher.



Oriental Bay Owl by Liew Weng Keong

We had one final morning at Sepilok and we started out with a couple of scarce Cinnamon-headed Green Pigeons perched amongst the Pink-necked's. Then we had a leisurely watch at the



Bornean Bristlehead by Liew Weng Keong

Wrinkled Hornbill. The night cruise was even better with an astonishing showing by an Oriental Bay Owl along with Buffy Fish Owl, sleeping Blue-eared Kingfisher and 5 Black-and-red Broadbills all lined up in a row.

It was then a very enjoyable and productive morning along the river and its tributaries. Top sightings included Sabah Partridge showing well in two spots, a Hooded Pitta, a wonderful display by a pair of prehistoric looking Great Slaty Woodpeckers, plus riparian specialists like White-chested Babbler, Malaysian Blue Flycatcher and White-crowned Shama along with an all too brief sighting of half a dozen Small-clawed Otters. During the afternoon cruise we finally heard the Bornean Ground Cuckoo we had been looking so eagerly for. We moved the boat into position, and it called and called from just behind a rise. Tantalizingly close but not in a place we were going to see it and not coming any closer so after a valiant effort we had to give up. Nearby we found an active Bat Hawk nest so that was great. The after-dinner cruise produced a few interesting mammals – Malay Civet, Bornean Palm Civet, Slow Loris and then a magnificent Bornean Pygmy Elephant initially swimming in the channel and then wandering up a bank. What an experience deep inside the forest and late at night, especially when it trumpeted at us!

We had time for one more early morning boat cruise, and this was again very productive. We finally found Storm's Storks, 5 of them in fact! We also had a Hooded Pitta that nearly landed in the boat. Other new birds included Scarlet-rumped Trogon and Sooty-capped Babbler plus ridiculously good views of Brown-backed Needletail. The Proboscis Monkeys put on a fine show, especially when a female carrying her small baby crossed the

canopy tower, seeing many of the same species as yesterday with more astonishing hanging parrot views, plus unparalleled views of a Van Hasselt's Sunbird and even a day active Red Giant Flying Squirrel. The highlight must have been watching a Wallace's Hawk Eagle devour a large Spiny Rat a few feet away from us! We then spent the remainder of the morning walking trails which was pretty quiet, but we eventually found out an excellent pair of Red-bearded Bee-eater. Just as we were about to leave, we noticed a Yellow-vented Flowerpecker in a fruiting tree and then Susanna noticed a coiled up Reticulated Python which slowly uncoiled itself and gave most impressive viewing and a great farewell to our time here. We then had a drive down to Sukau through endless palm oil plantation before being ferried over to our quaint lodge on the edge of the Kinabatangan River. Our introductory late afternoon boat cruise yielded Proboscis Monkey viewing along with Gray-headed Fish Eagle and



Western Tarsier by Liew Weng Keong



Bornean Pygmy Elephants by Liew Weng Keong

monkey ladder over the channel with a daring jump! We then had to farewell this wonderful locale and drive on to the Danum Valley. The drive in proved to be exceptional and ended up taking the whole afternoon. A random stop for a Blyth's Paradise Flycatcher yielded not just an immaculate male of that species but then 3 Bornean Bristleheads putting on a show! While watching them the rarely seen Short-tailed Mongoose sauntered across the road carrying a large prey item in its jaws. Just up the road a large herd of Elephants were feeding, and we spent memorable time with these huge "Pygmys". Eventually we were pretty much surrounded by them, so our drivers felt it best to move on! One final random stop netted us great views of the scarce Thick-billed Spiderhunter. Finally, we arrived at our luxurious accommodation near dusk and enjoyed our first meal here. After dinner we set about on a short night walk seeing Malay Civet, various invertebrates and some interesting frogs including Harlequin Tree Frog.

Next morning, we headed out to bird the road through magnificent tall dipterocarp forest, some of the tallest trees anywhere in the world. We started off about as good as it gets watching the dominant flanged male Bornean Orangutan exit his nest and then spend the next half hour or so eating his breakfast of fruits above us. What a moment! Eventually we carried on and soon saw a couple of scarce Bornean Gibbons also feeding up in a fruit tree. We scoped an endangered Helmeted Hornbill and then had a procession of new birds as the mists dissipated: Black-bellied Malkoha, Indian Cuckoo, several Square-tailed Drongo Cuckoo, scarce Grey-bellied and Scaly-breasted Bulbuls, and then a productive area held a mixed flock with some showy Dusky Broadbills and Maroon-breasted Philentomas along with



Hooded Pitta by Liew Weng Keong



Sabah Partridge by Liew Weng Keong

a Bornean Blue Flycatcher. We also worked our way through many of the more common babbler species seeing about 8 species this morning: Bold-striped Tit, Fluffy-backed Tit, Gray-hooded, Rufous-fronted, Chestnut-rumped, Rufous-crowned, Ferruginous and Horsfields; not to mention about 10 species of bulbuls on this very speciose morning. For the afternoon we headed into a forest interior trail and along a small stream found the scarce and beautiful Sunda Blue Flycatcher. Relatively little else was around but we got word of another Orangutan, this one a female, that we could watch to our heart's content. After dark we set out on a night drive. We didn't see much of note until we got out of the vehicle and found a Blyth's Frogmouth perched high up in a tree. Just after enjoying views of the frogmouth we could hear pounding rain fast approaching so we got up the canopy of the vehicle and proceeded back to the lodge managing to stay dry and having seen the frogmouth to boot!

The next morning, we started out on the road again, but the calls of wren babblers lured us into the forest undergrowth. In a remarkable span of an hour, we saw all 3 of Danum's wren babbler species. Firstly, it was a Striped Wren Babbler perched up belting out its repetitive call. Next was the hulking Black-throated Wren Babblers bouncing around and occasionally perching out in the open. Finally, it was the scarcest of the three, Bornean Wren Babblers creeping along on the ground. Another incredible start to what was going to be an epic day. We then headed deeper inside the forest. Calls of Bornean Ground Cuckoo were heard in the distance and a pair of Straw-headed Bulbuls pounded out their loud calls and showed in the trees overhead, but it was the loud ringing calls of the Great Argus that we were headed for. Our luck was in and at the dancing ground this utterly unique and massive pheasant could be watched at leisure, even giving its ear-splitting call repeatedly as we watched at close range. More Danum magic! We then tracked down a Blue-headed Pitta hopping along on the forest floor and as we walked past the dancing ground one more time, the Argus was now completely in the open a few feet away from us and still totally unconcerned by our presence. Having had a phenomenal morning, we were aiming for a quiet forest trail in the afternoon. Before we made it to the trail, we enjoyed wonderful views of Bornean Banded Kingfisher from the main road and then suddenly a pair of Helmeted Hornbills foraging



Bornean Wren-Babbler by Liew Weng Keong

in a fruiting tree and then gliding low over our heads. With big smiles on our faces, we took a few more steps up to a rise and then something magical happened. A Clouded Leopard less was sitting in the road less than 10 meters away, broad daylight and completely unconcerned by our presence. With our jaws on the floor and hearts pounding we were able to watch this most beautiful of cats for a few minutes as it stared at us, assessed the situation, preened itself for a while, eventually got up and then casually sauntered across the road and into the undergrowth. We were beyond speechless and had to sit down to contemplate what had just happened. It was a strange feeling and hard to keep birding after that, but we did manage to see Rufous-tailed Shama and even a Short-toed Coucal flew across the road, on any other day these could have been highlights but at this point they barely registered. We also watched a Rough-necked Monitor climbing a huge tree. We then had to break the news to those who had opted to stay back in the afternoon heat, but they took it in stride as we all celebrated a day never to be forgotten.

The next morning, we headed back up the road and then spent a good chunk of the morning on the canopy tower. It was a great experience watching the mists clear up from canopy level and then the birds getting active. Some highlights through the morning included the elusive Jambu Fruit Dove which unfortunately did not stick around for all to see, nice views of both Banded and Green Broadbills along with point blank Whiskered Treeswift, Raffle's, Chestnut-breasted and Black-bellied Malkohas, a low soaring Rufous-bellied Eagle, Finsch's Bulbul, Sunda Scimitar Babbler, and good comparisons of the similar Spectacled and Yellow-eared Spiderhunters. On the way back to the lodge we bumped into the Bornean Wren Babbler pair again and had even better looks than yesterday. In the afternoon we walked another quiet forest trail, and it was more normal levels of activity for a Danum afternoon, ie rather quiet. Still, we were able to get great views of Red-naped Trogon and Liew managed to put a Blue-headed Pitta in the scope for all to see so it was a good success. A night drive that night was rather quiet, but we added Lesser Mouse Deer, Thomas' Flying Squirrel, and a Wallace's Flying Frog.

For our final morning at Danum we decided to return to the canopy tower. We were running out of new birds to look for but did add Pale Blue Flycatcher to the tally and enjoyed eye level looks at things like Red-throated Sunbird, Asian Fairy Bluebird and Greater Green Leafbird that you just don't normally get. After one final meal at Danum we had the long drive to Lahad Datu and the keen group members were still adding birds to the tally



Great Argus by Liew Weng Keong

from the airport – Paddyfield Pipit and House Swift. Then we sadly had to farewell the one and only Liew and it was another great seafood dinner in KK to be followed with another early morning wake up call.

With our early start we were able to begin birding at the Klias Peat Swamp reserve around dawn. Almost our first bird of the day was a completely unexpected Blue-winged Pitta which landed on the boardwalk, as shocked to see us as we were it! After walking deep into the forest, we connected with a trio of poorly known Hook-billed Bulbul, a strange looking bird adapted to this highly threatened habitat. Additional birding here added great views of Red-crowned Barbet and 5 species of flowerpecker including a dazzling Scarlet-breasted Flowerpecker. We also saw a small party of Black-throated Babblers and both Red-billed and Chestnut-bellied Malkohas. It was then into Sarawak and a long, long drive through the rest of the morning and the entire afternoon to arrive to the tiny village of Ba’Kelalan towards dusk having driven through mile after mile forest. Before arriving to the village, we decided to try our luck and crept inside some lush streamside forest. After about a half an hour wait there was some loud calling and boom – we were looking at a Dulit Frogmouth perched beautifully in the torch beam. Yet another amazing moment from this tour! Just as we got to the vehicles the rain started and so we had been very lucky indeed as we proceeded to our cosy and welcoming homestay.

We then headed out for our first of three days birding the extensive montane forests above Ba’Kelalan. Starting out at the high point of the road in the cool early morning air it was the pitcher plants and orchids that stole our attention along with a Besra, a rarely seen bird in Borneo. It was good to re encounter old friends from our time birding the montane forests of Sabah like Dark Hawk Cuckoo, Mountain Barbet, Pygmy White-eye, and others. And we also picked up several new species including an eye level Sunda Owlet, scope filling views of Bornean Barbet along with Bornean Leafbird and Bornean Bulbul. We also had pretty good views of Crested Jayshrike now in a family of its own. Walking downhill through the morning we arrived at the zone where the much-wanted Hose’s Broadbill can be occasionally found and were quite excited to hear one calling, although only Dougald and Rand were able to see it flying. We returned to the area again in the afternoon and the broadbill was calling more persistently now. We were fortunate to have it fly low over our heads showing off its spectacular green and blue colours before it disappeared into the forest never to be seen again. We had intended to look for Bornean Frogmouth tonight, but heavy rain cancelled that plan.



Sunda Owlet by Rand Rudland

It was another full day of birding the forests of Ba'Kelalan. We had several mammal sightings this morning: Short-tailed Mongoose on the road, Bornean Gibbons whooping in the trees, rare Hose's Langurs alarm calling from hidden perches inside the forest, along with the uncommon Kinabalu Squirrel and sadly only a glimpse of the spectacular Tufted Ground Squirrel. Mammal watching is very challenging in Sarawak due to hunting pressure. Of the birds, top species today included elusive Philippine Cuckoo Doves, Checker-throated Woodpecker, Black-thighed Falconet, Green Broadbill, Dayak Blue Flycatcher and Whitehead's Spiderhunter. We were running out of new birds to look for, but it was still a very birdy day in a magnificent area. We spent some time hoping for a calling Blue-banded Pitta to hop onto his favourite log but had no such luck. A Dibamus legless lizard on the road in the late afternoon was an exciting find. And then we gathered at dusk to wait for Bornean Frogmouth to start calling. We finally had a beautiful rain-free evening to work with and just as the bird started to call got interrupted by a military patrol that told

us we had to leave the area. Extremely frustrating to say the least! At least we had another great meal to come home to.

After a failed attempt to see the Sunda Scops Owl calling just outside our rooms, we returned to the forests for one more morning, initially drizzly but then clearing and turning into a fine morning. Just upon arrival a Yellow-throated Marten wandered onto the road and then retreated into the forest. We managed to track down a couple newer birds this morning including Orange-breasted Trogon and a nice flyby of Wreathed Hornbills. Another highlight was a cooperative Crested Shrikejay. We returned to our homestay for one final home cooked meal and farewelled our hosts before loading up the trucks and driving towards Paya Maga. We had time for a bit of late afternoon birding which was quite productive including a surprise sighting of a pair of Chestnut-bellied Malkohas and a most unexpected Red-rumped Swallow cruising around. We then checked into our lodge with a view, the hot showers were most welcome, and a Reddish Scops Owl tooted, unseen, somewhere in the distance through the night.

After breakfast we drove the short distance to the Paya Maga trailhead and began the muddy walk up to the small forest clearing there. En route we heard a couple Bornean Banded Pitta, neither of which wanted to show. The walk up was reasonably uneventful but as we arrived to the clearing the Black Oriole was already singing its heart out. After a bit of scanning, we managed to spot the bird and then could enjoy views in the scope for a while of



Black Oriole by Rand Rudland



Bornean Falconet by Liew Weng Keong

this enigmatic bird. After a little siesta we spent the remainder of the afternoon on the trails. It was slow going and relatively quiet but suddenly we had a male Cinnamon-rumped Trogon perched low beside the trail. Apparently the first record of this species here and one of Borneo's most rarely seen birds. And what views it gave us! That night we were set to try and find Bornean Frogmouths but just as we were getting ready to search the heavens opened and poured down buckets. There was little to do but hunker down and watch a very wet looking Malay Civet forage for scraps around the hut.

The next morning, we tried predawn for the Bornean Frogmouth and did indeed hear it, but we could not find it. Time was running out to see this bird! Apart from the Black Orioles, morning birding was very slow despite decent weather and good forest and mid-morning we stopped back at the hut for a cup of coffee. Things improved greatly after that as we headed off track into some beautiful forest and soon had another major surprise, a White-tailed Flycatcher moving around us and calling. Another poorly known Borneo bird and a very likely future split as well. A bit further down the track we were getting some views of Gray-headed Babbler when we heard a Rail Babbler calling. A minute later this magnificent bird was walking fearlessly around us! In the afternoon it was raining heavy, but we took a chance during a lull in the rain to keep on birding and were rewarded with yet another poorly known Bornean bird and potential future split, Eye-browed Wren Babbler.



Sunda Clouded Leopard by Liew Weng Keong

The rain resumed but as night fell, we made a desperate last effort to try and find Bornean Frogmouth. It seemed like a hopeless task in the rain but against all odds Yeo found us a pair. After all the thwarted efforts this one was especially sweet!

The final day had arrived and after breakfast we set off down the truck for one final muddy walk. We were not done birding quite yet and had one more great bird in store as we had a trio of very cooperative, White-necked Babblers moving around us – a fantastic ending to our time here. We then had the long drive back to KK to finish off the tour and were birding right up until the very end finding Striated Grassbird just before the city as our final new bird of the trip.

Acknowledgements

My sincerest thanks to a very special group for being game to do just about anything at any time of day and night and always with a great attitude. We were rewarded in spades for our efforts! Also big thanks to the many excellent drivers who got us around, especially David for all the extra insights and help he provided in Sabah. Theo did an excellent job spotlighting in Deramakot. Biggest thanks must go to Liew who did an amazing job throughout in Sabah and always kept a smile on our faces. And to Yeo who cheerfully and tirelessly tracked down some of the trickiest birds in Sarawak. This has easily been one of my best ever trips.

Annotated List of species recorded

Mammals (57 in total: 57 seen)

Status codes: E = Endemic, NE = Near-endemic, I = Introduced. **IUCN codes:** CR = Critically endangered, EN = Endangered, VU = Vulnerable, EW = Extinct in the Wild, NT = Near Threatened, DD = Data Deficient

Elephants *Elephantidae*

Asian Elephant (EN)

Elephas maximus indicus

(2) Kinabatangan 13.5 and Danum Valley 14.5.

Cats *Felidae*

Bay Cat (EN)

Catopuma badia

(1) Deramakot Forest Reserve 3.5.

Sunda Clouded Leopard (VU)

Neofelis diardi borneensis

(1) Danum Valley 16.5.

Sunda Leopard Cat

Prionailurus javanensis

(3) Observed Deramakot Forest Reserve 2-4.5.

Vivets, Genets *Viverridae*

Bornean Small-toothed Palm Civet

Arctogalidia stigmatica

(4) Observed Deramakot Forest Reserve 2-4.5 and Danum Valley 14.5.

Otter Civet (EN)

Cynogale bennettii

(1) Deramakot Forest Reserve 2.5.

Bornean Palm Civet

Paradoxurus philippinensis

(4) Deramakot Forest Reserve 2.5, Deramakot Forest Reserve 5.5, Kinabatangan 12.5 and Kinabatangan 13.5.

Malay Civet (LC)

Viverra zibethica

(9) Observed Deramakot Forest Reserve 2-6.5, Kinabatangan 12.5, Kinabatangan 13.5, Danum Valley 14.5 and Paya Maga 23.5.

Mongoose *Herpestidae*

Short-tailed Mongoose (NT)

Urva brachyura

(4) Danum Valley 14.5, Ba'Kelalan 19.5, Ba'Kelalan 21.5 and Paya Maga 23.5.

Weasels, Otters *Mustelidae*

Asian Small-clawed Otter (VU) *Aonyx cinereus*

(1) Kinabatangan 13.5.

Yellow-throated Marten (LC) *Martes flavigula*

(2) Deramakot Forest Reserve 6.5 and Ba'Kelalan 22.5.

Chevrotains *Tragulidae*

Lesser Mouse Deer (LC) *Tragulus kanchil*

(1) Danum Valley 16.5.

Greater Mouse Deer (LC) *Tragulus napu*

(2) Deramakot Forest Reserve 2.5 and Deramakot Forest Reserve 4.5.

Deer *Cervidae*

Southern Red Muntjac (LC) *Muntiacus muntjak*

(1) Danum Valley 14.5.

Sambar Deer (VU) *Rusa unicolor*

(3) Deramakot Forest Reserve 2.5, Deramakot Forest Reserve 4.5 and Deramakot Forest Reserve 5.5.

Horseshoe Bats *Rhinolophidae*

Great Woolly Horseshoe Bat (LC) *Rhinolophus luctus*

(1) Mt Kinabalu NP 8.5.

Old World Leafnose Bats *Hipposideridae*

Diadem Horseshoe Bat (LC) *Hipposideros diadema*

(1) Deramakot Forest Reserve 4.5.

Old World Fruit Bats *Pteropodidae*

Spotted-winged Fruit Bat (LC) *Balionycteris maculata*

(1) Deramakot Forest Reserve 4.5.

Lesser Dog-faced Fruit Bat (LC) *Cynopterus brachyotis*

(1) Deramakot Forest Reserve 4.5.

Large Flying-fox (EN) *Pteropus vampyrus*

(2) Deramakot Forest Reserve 3.5 and Deramakot Forest Reserve 4.5.

Sac-winged or Sheath-tailed Bats *Emballonuridae*

Small Asian Sheath-tailed Bat (LC) *Emballonura alecto*

(3) Observed Deramakot Forest Reserve 3-5.5.

Colugos *Cynocephalidae*

Sunda Flying Lemur (LC) *Galeopterus variegatus*

(1) Deramakot Forest Reserve 5.5.

Tree Shrews *Tupaiaidae*

Common Tree Shrew (LC) *Tupaia glis*

(4) Trus Madi 30.4, Telupid 1.5, Sepilok 11.5 and Danum Valley 15.5.

Pygmy Tree Shrew (LC) *Tupaia minor*

(2) Trus Madi 30.4 and Mt Kinabalu NP 9.5.

Mountain Tree Shrew (LC) *Tupaia montana*

(3) Trus Madi 30.4, Tambunan 7.5 and Mt Kinabalu NP 9.5.

Large Tree Shrew (LC) *Tupaia tana*

(3) Trus Madi 30.4, Sepilok 11.5 and Danum Valley 16.5.

Lorises and Pottos *Lorisidae*

Bornean Slow Loris (VU) *Nycticebus menagensis*

(3) Deramakot Forest Reserve 2.5, Sepilok 11.5 and Kinabatangan 13.5.

Tarsiers *Tarsiidae*

Horsfield's Tarsier (VU) *Cephalopachus bancanus borneanus*

(1) Sepilok 11.5.

Old World Monkeys *Cercopithecidae*

Long-tailed Macaque (LC) *Macaca fascicularis fascicularis*

(8) Observed Kinabatangan 12-14.5, Danum Valley 17.5, Danum Valley 18.5, Ba'Kelalan 19.5, Klias Forest Reserve 19.5, Ba'Kelalan 21.5 and Paya Maga 23.5.

Southern Pig-tailed Macaque (EN)

Macaca nemestrina

(5) Sepilok 10.5, Sepilok 11.5, Danum Valley 16.5, Danum Valley 17.5 and Paya Maga 23.5.

Proboscis Monkey (EN)

Nasalis larvatus larvatus

(4) 1 heard Deramakot Forest Reserve 3.5 and observed Kinabatangan 12-14.5.

Hose's Langur (VU)

Presbytis hosei

(3) 1 heard Ba'Kelalan 21.5, 1 heard Ba'Kelalan 22.5 and Paya Maga 23.5.

Maroon Leaf Monkey (VU)

Presbytis rubicunda

(5) Observed Danum Valley 15-18.5 and Paya Maga 24.5.

Silvered Leaf-monkey (NT)

Trachypithecus cristatus cristatus

(3) Observed Kinabatangan 12-14.5.

Gibbons, Siamang Hylobatidae

Müller's Bornean Gibbon (EN)

Hylobates muelleri

(8) Danum Valley 15.5, Danum Valley 16.5, Danum Valley 18.5, 1 heard Ba'Kelalan 20.5, 1 heard Ba'Kelalan 22.5 and up to 1 Paya Maga 23-25.5.

Gorilla, Chimpanzees, Orangutan Hominidae

Bornean Orangutan (CR)

Pongo pygmaeus

(3) Danum Valley 15.5, Danum Valley 16.5 and Danum Valley 18.5.

Old World Porcupines Hystricidae

Long-tailed Porcupine (LC)

Trichys fasciculata

(1) Deramakot Forest Reserve 3.5.

Squirrels Sciuridae

Black Flying Squirrel (DD)

Aeromys tephromelas

(1) Sepilok 11.5.

Thomas's Flying Squirrel (LC)

Aeromys thomasi

(5) Observed Deramakot Forest Reserve 2-5.5 and Danum Valley 16.5.

Bornean Ear-spot Squirrel (NT)

Callosciurus adamsi

(2) Deramakot Forest Reserve 2.5 and Kinabatangan 13.5.

Kinabalu Squirrel (LC)

Callosciurus baluensis

(2) Mt Kinabalu NP 9.5 and Ba'Kelalan 21.5.

Plantain Squirrel (LC) *Callosciurus notatus*

(3) Telupid 1.5, Poring Hot Springs 10.5 and Sepilok 11.5.

Bornean Black-banded Squirrel (LC) *Callosciurus orestes*

(5) Trus Madi 30.4, Mt Kinabalu NP 8.5, Mt Kinabalu NP 9.5, Ba'Kelalan 20.5 and Ba'Kelalan 21.5.

Prevost's Squirrel (LC) *Callosciurus prevostii*

(8) Telupid 2.5, Poring Hot Springs 10.5, observed Sepilok 10-12.5, Kinabatangan 14.5 and observed Danum Valley 15-17.5.

Bornean Mountain Ground Squirrel (LC) *Dremomys everetti*

(4) Trus Madi 30.4, Tambunan 7.5, Mt Kinabalu NP 8.5 and Mt Kinabalu NP 9.5.

Least Pygmy Squirrel (DD) *Exilisciurus exilis*

(4) Telupid 1.5 and observed Danum Valley 15-17.5.

Tufted Pygmy Squirrel (LC) *Exilisciurus whiteheadi*

(4) Tambunan 7.5, Mt Kinabalu NP 8.5, Ba'Kelalan 21.5 and Ba'Kelalan 22.5.

Red-bellied Sculptor Squirrel (DD) *Glyphotes simus*

(2) Trus Madi 30.4 and Mt Kinabalu NP 8.5.

Common Giant Flying Squirrel (LC) *Petaurista petaurista*

(5) Observed Deramakot Forest Reserve 2-5.5 and Sepilok 11.5.

Cream-coloured Giant Squirrel (NT) *Ratufa affinis*

(3) Sepilok 11.5, Danum Valley 17.5 and Danum Valley 18.5.

Tassle-eared Ground Squirrel (VU) *Rheithrosciurus macrotis*

(1) Ba'Kelalan 21.5.

Brooke's Squirrel (LC) *Sundasciurus brookei*

(2) Mt Kinabalu NP 8.5 and Paya Maga 25.5.

Horse-tailed Squirrel (NT) *Sundasciurus hippurus*

(2) Deramakot Forest Reserve 3.5 and Danum Valley 18.5.

Jentink's Squirrel (LC) *Sundasciurus jentinki*

(5) Trus Madi 30.4, Mt Kinabalu NP 8.5 and observed Ba'Kelalan 20-22.5.

Low's Squirrel (LC) *Sundasciurus lowii*

(2) Trus Madi 30.4 and Telupid 1.5.

True Mice and Rats, Gerbils, Spiny Mice, Crested Rat *Muridae*

Malaysian Wood Rat (LC)
Rattus tiomanicus

(1) Kinabatangan 12.5.

Müller's Sundamys (LC)
Sundamys muelleri

(1) Kinabatangan 13.5.

Birds (319 in total: 306 seen, 13 heard)

Nomenclature and taxonomy follows Gill F, D Donsker & P Rasmussen (Eds). 2023. IOC World Bird List (v13.1). doi : 10.14344/IOC.ML.13.1.

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Pheasants & Allies Phasianidae

Crested Partridge (VU)
Rollulus rouloul

(1) Trus Madi 30.4.

Red-breasted Partridge (LC)
Arborophila hyperythra

(3) Tambunan 7.5, Mt Kinabalu NP 8.5 and 1 heard Ba'Kelalan 21.5.

Bulwer's Pheasant (VU)
Lophura bulweri

(1) Trus Madi 30.4.

Bornean Crested Fireback (VU)
Lophura ignita

(1) Danum Valley 14.5.

Great Argus
Argusianus argus grayi

(8) Up to 1 Deramakot Forest Reserve 3-5.5, up to 1 Danum Valley 15-18.5 and 1 heard Paya Maga 23.5.

Sabah Partridge (NT)
Tropicoperdix graydoni

(3) Kinabatangan 13.5, 1 heard Danum Valley 15.5 and 1 heard Danum Valley 16.5.

Crimson-headed Partridge (LC)
Haematortyx sanguiniceps

(5) Up to 1 Mt Kinabalu NP 7-9.5, 1 heard Tambunan 7.5, 1 heard Ba'Kelalan 20.5 and 1 heard Ba'Kelalan 21.5.

Bornean Peacock-Pheasant (EN)
Polyplectron schleiermacheri

(1) Telupid 1.5.

Nightjars Caprimulgidae

Large-tailed Nightjar
Caprimulgus macrurus salvadorii

(1) 1 heard Telupid 1.5.

Frogmouths Podargidae

- Large Frogmouth (NT)** *Batrachostomus auritus*
 (2) Deramakot Forest Reserve 4.5 and 1 heard Kinabatangan 12.5.
- Dulit Frogmouth (NT)** *Batrachostomus harterti*
 (1) Ba'Kelalan 19.5.
- Bornean Frogmouth (NT)** *Batrachostomus mixtus*
 (2) 1 heard Ba'Kelalan 21.5 and Paya Maga 24.5.
- Blyth's Frogmouth** *Batrachostomus affinis affinis*
 (1) Danum Valley 15.5.

Treeswifts Hemiprocnidae

- Grey-rumped Treeswift** *Hemiprocne longipennis harterti*
 (9) Deramakot Forest Reserve 3.5, Tambunan 7.5, Sepilok 10.5, Danum Valley 15.5, Danum Valley 18.5, observed Ba'Kelalan 20-22.5 and Paya Maga 23.5.
- Whiskered Treeswift** *Hemiprocne comata comata*
 (6) Deramakot Forest Reserve 3.5, observed Danum Valley 15-18.5 and Paya Maga 22.5.

Swifts Apodidae

- Plume-toed Swiftlet** *Collocalia affinis cyanoptila*
 (9) Deramakot Forest Reserve 2.5, Deramakot Forest Reserve 3.5, Mt Kinabalu NP 8.5, Poring Hot Springs 10.5, observed Sepilok 10-12.5, Kinabatangan 13.5 and Kinabatangan 14.5.
- Bornean Swiftlet** *Collocalia dodgei*
 (1) Tambunan 7.5.
- Edible-nest Swiftlet** *Aerodramus fuciphagus vestitus*
 (1) Kinabatangan 12.5.
- Silver-rumped Spinetail (LC)** *Rhaphidura leucopygialis*
 (6) Deramakot Forest Reserve 3.5, Deramakot Forest Reserve 4.5, Sepilok 10.5, Sepilok 11.5, Danum Valley 14.5 and Danum Valley 15.5.
- Brown-backed Needletail** *Hirundapus giganteus giganteus*
 (5) Deramakot Forest Reserve 3.5, observed Sepilok 10-12.5 and Kinabatangan 14.5.
- House Swift** *Apus nipalensis subfurcatus*
 (1) Lahad Datu 18.5.

Cuckoos Cuculidae

Short-toed Coucal (VU)

Centropus rectunguis

(2) 1 heard Danum Valley 15.5 and 1 heard Danum Valley 18.5.

Greater Coucal

Centropus sinensis bubutus

(9) Observed Deramakot Forest Reserve 2-6.5, 1 heard Kinabatangan 13.5, Danum Valley 14.5, Ba'Kelalan 20.5 and Paya Maga 22.5.

Bornean Ground Cuckoo (VU)

Carpococcyx radiceus

(2) 1 heard Kinabatangan 13.5 and 1 heard Danum Valley 16.5.

Raffles's Malkoha (LC)

Rhinorhiza chlorophaea

(6) 1 heard Telupid 1.5, Deramakot Forest Reserve 3.5, Sepilok 11.5, Danum Valley 17.5, Ba'Kelalan 22.5 and Paya Maga 24.5.

Red-billed Malkoha

Zanclostomus javanicus pallidus

(1) Klias Forest Reserve 19.5.

Chestnut-breasted Malkoha

Phaenicophaeus curvirostris microrhinus

(6) Sepilok 10.5, Sepilok 12.5, observed Danum Valley 15-17.5 and Ba'Kelalan 21.5.

Chestnut-bellied Malkoha (NT)

Phaenicophaeus sumatranus

(2) Klias Forest Reserve 19.5 and Paya Maga 22.5.

Black-bellied Malkoha

Phaenicophaeus diardi borneensis

(5) Observed Danum Valley 15-17.5, Paya Maga 23.5 and Paya Maga 25.5.

Violet Cuckoo

Chrysococcyx xanthorhynchus xanthorhynchus

(4) 1 heard Deramakot Forest Reserve 3.5, 1 heard Sepilok 10.5, Sepilok 11.5 and Danum Valley 17.5.

Little Bronze Cuckoo

Chrysococcyx minutillus

(1) Ba'Kelalan 22.5.

Banded Bay Cuckoo

Cacomantis sonneratii fasciolatus

(4) 1 heard Deramakot Forest Reserve 3.5, 1 heard Deramakot Forest Reserve 4.5, 1 heard Sepilok 11.5 and 1 heard Kinabatangan 13.5.

Plaintive Cuckoo

Cacomantis merulinus threnodes

(5) Up to 1 Deramakot Forest Reserve 3-5.5, 1 heard Sepilok 11.5 and 1 heard Klias Forest Reserve 19.5.

Rusty-breasted Cuckoo

Cacomantis sepulcralis sepulcralis

(2) 1 heard Paya Maga 23.5 and 1 heard Paya Maga 24.5.

Square-tailed Drongo-Cuckoo (LC)

Surniculus lugubris

(8) Deramakot Forest Reserve 3.5, 1 heard Sepilok 11.5, Kinabatangan 14.5, Danum Valley 15.5, 1 heard Danum Valley 17.5, 1 heard Danum Valley 18.5, Ba'Kelalan 21.5 and Ba'Kelalan 22.5.

Moustached Hawk-Cuckoo (NT)

Hierococcyx vagans

(1) 1 heard Danum Valley 15.5.

Dark Hawk-Cuckoo (LC)

Hierococcyx bocki

(4) Tambunan 7.5 and up to 1 Ba'Kelalan 20-22.5.

Indian Cuckoo

Cuculus micropterus concretus

(7) 1 heard Deramakot Forest Reserve 4.5, 1 heard Poring Hot Springs 10.5, up to 1 Sepilok 10-12.5, Danum Valley 15.5, 1 heard Danum Valley 17.5 and 1 heard Ba'Kelalan 21.5.

Sunda Cuckoo (LC)

Cuculus lepidus

(2) Mt Kinabalu NP 8.5 and Mt Kinabalu NP 9.5.

Pigeons, Doves Columbidae

Rock Dove

Columba livia domestica

Observed 1 day in total.

Spotted Dove

Spilopelia chinensis tigrina

(8) Deramakot Forest Reserve 2.5, Deramakot Forest Reserve 6.5, Sepilok 11.5, Kinabatangan 14.5, observed Ba'Kelalan 19-22.5 and Paya Maga 22.5.

Philippine Cuckoo-Dove

Macropygia tenuirostris borneensis

(2) Ba'Kelalan 21.5, Ba'Kelalan 22.5 and Paya Maga 22.5.

Little Cuckoo-Dove

Macropygia ruficeps nana

(9) Trus Madi 30.4, Tambunan 7.5, Mt Kinabalu NP 8.5, Mt Kinabalu NP 9.5, Poring Hot Springs 10.5, observed Ba'Kelalan 20-22.5, Paya Maga 22.5 and Paya Maga 23.5.

Common Emerald Dove

Chalcophaps indica indica

(5) Trus Madi 30.4, Mt Kinabalu NP 9.5, Sepilok 11.5, Danum Valley 14.5 and Danum Valley 18.5.

Zebra Dove (LC)

Geopelia striata

(2) Telupid 2.5 and Sepilok 11.5.

Cinnamon-headed Green Pigeon

Treron fulvicollis baramensis

(1) Sepilok 12.5.

Little Green Pigeon (LC)

Treron olax

(2) Sepilok 11.5 and Sepilok 12.5.

Pink-necked Green Pigeon (LC)

Treron vernans

(2) Telupid 2.5 and Sepilok 12.5.



Thick-billed Green Pigeon

Treron curvirostra nasica

(2) Klias Forest Reserve 19.5 and Ba'Kelalan 20.5.

Large Green Pigeon

Treron capellei magnirostris

(1) Deramakot Forest Reserve 3.5.

Jambu Fruit Dove

Ptilinopus jambu

(1) Danum Valley 17.5.

Green Imperial Pigeon (NT)

Ducula aenea

(8) Sepilok 11.5, Sepilok 12.5, observed Kinabatangan 12-14.5 and observed Danum Valley 14-18.5.

Mountain Imperial Pigeon

Ducula badia badia

(5) 1 heard Tambunan 7.5, Mt Kinabalu NP 8.5, Mt Kinabalu NP 9.5, Ba'Kelalan 22.5 and Paya Maga 23.5.

Rails, Crakes & Coots Rallidae

White-breasted Waterhen

Amaurornis phoenicurus phoenicurus

(8) Telupid 1.5, Poring Hot Springs 10.5, Kinabatangan 12.5, Danum Valley 14.5, observed Ba'Kelalan 19-22.5 and Klias Forest Reserve 19.5.

Storks Ciconiidae

Storm's Stork (EN)

Ciconia stormi

(1) Kinabatangan 14.5.

Lesser Adjutant (VU)

Leptoptilos javanicus

(2) Kinabatangan 12.5 and Kinabatangan 13.5.

Anhingas, Darters Anhingidae

Oriental Darter (NT)

Anhinga melanogaster

(2) Deramakot Forest Reserve 4.5 and Kinabatangan 13.5.

Hérons, Bitterns Ardeidae

Cinnamon Bittern (LC)

Ixobrychus cinnamomeus

(3) Observed Ba'Kelalan 20-22.5.

Black-crowned Night Heron

Nycticorax nycticorax nycticorax

(1) Kinabatangan 13.5.

Nankeen Night Heron

Nycticorax caledonicus manillensis

(1) Kinabatangan 13.5.

Eastern Cattle Egret

Bubulcus coromandus

(5) Danum Valley 14.5, Ba'Kelalan 20.5 and Ba'Kelalan 21.5.

Purple Heron

Ardea purpurea manilensis

(3) Observed Kinabatangan 12-14.5.

Great Egret

Ardea alba modesta

(5) Deramakot Forest Reserve 2.5, Deramakot Forest Reserve 5.5 and observed Kinabatangan 12-14.5.

Intermediate Egret

Ardea intermedia intermedia

(2) Kinabatangan 12.5.

Little Egret (LC)

Egretta garzetta

(5) Sepilok 10.5, Sepilok 12.5 and observed Ba'Kelalan 20-22.5.

Kites, Hawks, Eagles Accipitridae

Black-winged Kite

Elanus caeruleus hypoleucus

(1) Deramakot Forest Reserve 6.5.

Crested Honey Buzzard

Pernis ptilorhynchus torquatus

(7) Mt Kinabalu NP 9.5, Poring Hot Springs 10.5, Danum Valley 17.5, Danum Valley 18.5, Ba'Kelalan 20.5, Paya Maga 22.5 and Paya Maga 25.5.

Jerdon's Baza

Aviceda jerdoni borneensis

(2) Kinabatangan 12.5 and Kinabatangan 14.5.

Crested Serpent Eagle

Spilornis cheela pallidus

(10) Observed Deramakot Forest Reserve 3-5.5, Poring Hot Springs 10.5, observed Kinabatangan 12-14.5, Danum Valley 16.5, Ba'Kelalan 21.5 and Paya Maga 22.5.

Mountain Serpent Eagle (NT)

Spilornis kinabaluensis

(1) Mt Kinabalu NP 8.5.

Bat Hawk

Macheiramphus alcinus alcinus

(1) Kinabatangan 13.5.

Changeable Hawk-Eagle

Nisaetus cirrhatus limnaeetus

(3) Sepilok 11.5, Danum Valley 17.5 and Ba'Kelalan 20.5.

Blyth's Hawk-Eagle (LC)

Nisaetus alboniger

(1) Tambunan 7.5.

Wallace's Hawk-Eagle

Nisaetus nanus nanus

(5) Observed Sepilok 10-12.5, Kinabatangan 13.5 and Kinabatangan 14.5.



Rufous-bellied Eagle

Lophotriorchis kienerii formosus

(3) Sepilok 10.5, Danum Valley 15.5 and Danum Valley 18.5.

Crested Goshawk

Accipiter trivirgatus microstictus

(6) Deramakot Forest Reserve 3.5, Deramakot Forest Reserve 4.5, Sepilok 12.5, Kinabatangan 13.5, Kinabatangan 14.5 and Paya Maga 23.5.

Besra

Accipiter virgatus rufotibialis

(2) Ba'Kelalan 20.5 and Ba'Kelalan 21.5.

Brahminy Kite

Haliastur indus intermedius

(4) Sepilok 10.5 and observed Kinabatangan 12-14.5.

White-bellied Sea Eagle (LC)

Haliaeetus leucogaster

(1) Kinabatangan 13.5.

Grey-headed Fish Eagle

Haliaeetus ichthyaetus

(1) Kinabatangan 12.5.

Barn Owls Tytonidae

Oriental Bay Owl

Phodilus badius badius

(1) Kinabatangan 12.5.

Owls Strigidae

Brown Boobook

Ninox scutulata borneensis

(2) Sepilok 10.5 and Sepilok 11.5.

Sunda Owlet

Taeniopteryx sylvaticus borneensis

(1) Ba'Kelalan 20.5.

Reddish Scops Owl

Otus rufescens rufescens

(1) 1 heard Paya Maga 23.5.

Mountain Scops Owl

Otus spilocephalus luciae

(1) Mt Kinabalu NP 8.5.

Sunda Scops Owl (LC)

Otus lempiji

(2) 1 heard Mt Kinabalu NP 8.5 and 1 heard Ba'Kelalan 22.5.

Buffy Fish Owl (LC)

Ketupa ketupu

(6) Deramakot Forest Reserve 2.5, Deramakot Forest Reserve 4.5, Deramakot Forest Reserve 5.5, Kinabatangan 12.5, Kinabatangan 13.5 and Danum Valley 14.5.

Barred Eagle-Owl

Ketupa sumatrana tenuifasciata

(1) Deramakot Forest Reserve 3.5.

Brown Wood Owl (LC)

Strix leptogrammica

(1) Deramakot Forest Reserve 4.5.

Trogons Trogonidae

Red-naped Trogon

Harpactes kasumba impavidus

(2) Danum Valley 17.5 and Paya Maga 23.5.

Diard's Trogon

Harpactes diardii diardii

(5) Sepilok 11.5, Kinabatangan 13.5, 1 heard Ba'Kelalan 21.5, 1 heard Paya Maga 24.5 and 1 heard Paya Maga 25.5.

Whitehead's Trogon (NT)

Harpactes whiteheadi

(2) Mt Kinabalu NP 8.5 and Mt Kinabalu NP 9.5.

Cinnamon-rumped Trogon

Harpactes orrhophaeus vidua

(1) Paya Maga 23.5.

Scarlet-rumped Trogon (NT)

Harpactes duvaucelii

(3) Kinabatangan 14.5, Danum Valley 17.5 and Paya Maga 23.5.

Orange-breasted Trogon

Harpactes oreskios dulitensis

(3) 1 heard Ba'Kelalan 20.5, Ba'Kelalan 22.5 and Paya Maga 24.5.

Hornbills Bucerotidae

White-crowned Hornbill (EN)

Berenicornis comatus

(2) Sepilok 10.5 and Sepilok 11.5.

Rhinoceros Hornbill

Buceros rhinoceros borneoensis

(13) 1 heard Deramakot Forest Reserve 3.5, Deramakot Forest Reserve 6.5, observed Sepilok 10-12.5, Kinabatangan 13.5, Kinabatangan 14.5, observed Danum Valley 14-16.5, 1 heard Ba'Kelalan 21.5, 1 heard Ba'Kelalan 22.5, 1 heard Paya Maga 23.5 and 1 heard Paya Maga 24.5.

Helmeted Hornbill (CR)

Rhinoplax vigil

(6) 1 heard Deramakot Forest Reserve 4.5, Danum Valley 15.5, Danum Valley 16.5 and up to 1 Ba'Kelalan 20-22.5.

Oriental Pied Hornbill

Anthracoceros albirostris convexus

(3) Observed Kinabatangan 12-14.5.

Black Hornbill (VU)

Anthracoceros malayanus

(6) Deramakot Forest Reserve 4.5, Sepilok 10.5, Sepilok 11.5, Kinabatangan 12.5, Kinabatangan 13.5 and Klias Forest Reserve 19.5.

Bushy-crested Hornbill (NT)

Anorrhinus galeritus

(7) Sepilok 12.5, Kinabatangan 14.5, Danum Valley 15.5, Danum Valley 16.5, Danum Valley 18.5, Ba'Kelalan 21.5 and 1 heard Paya Maga 23.5.

Wreathed Hornbill (VU)

Rhyticeros undulatus

(3) 1 heard Telupid 1.5, Ba'Kelalan 19.5 and Ba'Kelalan 22.5.

Wrinkled Hornbill (EN)

Rhabdotorrhinus corrugatus

(2) Kinabatangan 12.5 and Danum Valley 16.5.

Rollers Coraciidae

Oriental Dollarbird

Eurystomus orientalis orientalis

(5) Sepilok 10.5, Sepilok 11.5 and observed Kinabatangan 12-14.5.

Kingfishers Alcedinidae

Rufous-collared Kingfisher

Actenoides concretus borneanus

(2) Sepilok 11.5 and 1 heard Paya Maga 24.5.

Banded Kingfisher

Lacedo pulchella melanops

(1) Danum Valley 16.5.

Stork-billed Kingfisher

Pelargopsis capensis innominata

(4) Sepilok 11.5 and observed Kinabatangan 12-14.5.

Collared Kingfisher

Todiramphus chloris laubmannianus

(4) Deramakot Forest Reserve 2.5, Sepilok 11.5, Kinabatangan 13.5 and Kinabatangan 14.5.

Blue-eared Kingfisher

Alcedo meninting meninting

(5) Observed Kinabatangan 12-14.5, Klias Forest Reserve 19.5 and Ba'Kelalan 22.5.

Oriental Dwarf Kingfisher

Ceyx erithaca motleyi

(3) Sepilok 10.5, Sepilok 11.5 and Ba'Kelalan 21.5.

Bee-eaters Meropidae

Red-bearded Bee-eater (LC)

Nyctyornis amictus

(4) 1 heard Telupid 1.5, Sepilok 12.5, 1 heard Ba'Kelalan 20.5, Ba'Kelalan 22.5 and Paya Maga 22.5.

Blue-throated Bee-eater (LC)

Merops viridis

(7) Observed Sepilok 10-12.5 and observed Danum Valley 15-18.5.

Asian Barbets Megalaimidae



Golden-whiskered Barbet

Psilopogon chrysopogon chrysopsis

(3) 1 heard Trus Madi 30.4, 1 heard Deramakot Forest Reserve 3.5 and Poring Hot Springs 10.5.

Red-crowned Barbet (NT)

Psilopogon rafflesii

(1) Klias Forest Reserve 19.5.

Red-throated Barbet

Psilopogon mystacophanos mystacophanos

(5) 1 heard Deramakot Forest Reserve 4.5, 1 heard Poring Hot Springs 10.5, 1 heard Danum Valley 17.5, Ba'Kelalan 21.5 and Ba'Kelalan 22.5.

Mountain Barbet (LC)

Psilopogon monticola

(7) 1 heard Trus Madi 30.4, Tambunan 7.5, observed Ba'Kelalan 20-22.5, Paya Maga 23.5 and Paya Maga 24.5.

Yellow-crowned Barbet

Psilopogon henricii brachyrhynchus

(2) 1 heard Danum Valley 17.5 and 1 heard Danum Valley 18.5.

Golden-naped Barbet (LC)

Psilopogon pulcherrimus

(2) Mt Kinabalu NP 8.5 and Mt Kinabalu NP 9.5.

Blue-eared Barbet

Psilopogon duvaucelii duvaucelii

(6) Poring Hot Springs 10.5, Sepilok 11.5, Sepilok 12.5, Danum Valley 15.5, Danum Valley 17.5 and 1 heard Danum Valley 18.5.

Bornean Barbet (LC)

Psilopogon eximius

(6) 1 heard Trus Madi 30.4, observed Ba'Kelalan 20-22.5, 1 heard Paya Maga 23.5 and 1 heard Paya Maga 24.5.

Brown Barbet (LC)

Caloramphus fuliginosus

(6) Deramakot Forest Reserve 3.5, Deramakot Forest Reserve 4.5, observed Sepilok 10-12.5 and Kinabatangan 13.5.

Woodpeckers Picidae

Rufous Piculet

Sasia abnormis abnormis

(2) Danum Valley 16.5 and Danum Valley 17.5.

Grey-and-buff Woodpecker

Hemicircus concretus sordidus

(2) Sepilok 11.5 and Sepilok 12.5.

White-bellied Woodpecker

Dryocopus javensis javensis

(2) Sepilok 11.5 and Sepilok 12.5.

Banded Woodpecker

Chrysophlegma miniaceum malaccense

(3) Observed Sepilok 10-12.5.

Checker-throated Woodpecker

Chrysophlegma mentale humii

(1) Ba'Kelalan 21.5.

Crimson-winged Woodpecker

Picus puniceus observandus



(2) Sepilok 10.5 and 1 heard Ba'Kelalan 20.5.

Common Flameback (LC)

Dinopium javanense

(1) Sepilok 11.5.

Maroon Woodpecker (LC)

Blythipicus rubiginosus

(5) Sepilok 11.5, Kinabatangan 13.5 and observed Danum Valley 15-17.5.

Rufous Woodpecker

Micropternus brachyurus badius

(2) Sepilok 11.5 and Ba'Kelalan 22.5.

Buff-rumped Woodpecker

Meiglyptes tristis grammithorax

(3) Sepilok 11.5, Danum Valley 17.5 and Paya Maga 25.5.

Buff-necked Woodpecker

Meiglyptes tukki tukki

(3) Deramakot Forest Reserve 4.5, Sepilok 11.5 and Danum Valley 15.5.

Great Slaty Woodpecker

Mulleripicus pulverulentus pulverulentus

(4) Kinabatangan 13.5, Kinabatangan 14.5, Danum Valley 16.5 and Danum Valley 18.5.

Caracaras, Falcons *Falconidae*

Black-thighed Falconet (LC)

Microhierax fringillarius

(2) Ba'Kelalan 20.5 and Ba'Kelalan 21.5.

White-fronted Falconet (NT)

Microhierax latifrons

(1) Tambunan 7.5.

Peregrine Falcon (LC)

Falco peregrinus

(1) Mt Kinabalu NP 9.5.

Old World Parrots *Psittaculidae*

Long-tailed Parakeet

Psittacula longicauda longicauda

(5) Telupid 2.5, Sepilok 11.5, Kinabatangan 13.5, Kinabatangan 14.5 and Klias Forest Reserve 19.5.

Blue-crowned Hanging Parrot (LC)

Loriculus galgulus

(10) Observed Sepilok 10-12.5, Kinabatangan 13.5, observed Danum Valley 14-18.5 and Klias Forest Reserve 19.5.

Typical Broadbills *Eurylaimidae*

Dusky Broadbill

Corydon sumatranus brunnescens

(3) Danum Valley 15.5, Ba'Kelalan 20.5 and Ba'Kelalan 21.5.

Black-and-red Broadbill

Cymbirhynchus macrorhynchus macrorhynchus

(4) Deramakot Forest Reserve 5.5, observed Kinabatangan 12-14.5 and Sepilok 12.5.

Banded Broadbill *Eurylaimus javanicus brookei*

(3) Danum Valley 17.5, Paya Maga 22.5 and Paya Maga 23.5.

Black-and-yellow Broadbill (NT) *Eurylaimus ochromalus*

(13) Sepilok 11.5, Sepilok 12.5, Kinabatangan 13.5, up to 1 Danum Valley 14-18.5, up to 1 Ba'Kelalan 20-22.5, Paya Maga 22.5, Paya Maga 23.5 and 1 heard Paya Maga 25.5.

African & Green Broadbills *Calyptomenidae*

Green Broadbill *Calyptomena viridis gloriosa*

(2) Danum Valley 17.5 and Ba'Kelalan 21.5.

Hose's Broadbill (NT) *Calyptomena hosii*

(1) Ba'Kelalan 20.5.

Whitehead's Broadbill (LC) *Calyptomena whiteheadi*

(2) 1 heard Mt Kinabalu NP 8.5 and Mt Kinabalu NP 9.5.

Pittas *Pittidae*

Bornean Banded Pitta (LC) *Hydrornis schwaneri*

(2) Trus Madi 30.4 and 1 heard Paya Maga 23.5.

Blue-headed Pitta (VU) *Hydrornis baudii*

(3) Up to 1 Danum Valley 15-17.5.

Black-crowned Pitta (LC) *Erythropitta ussheri*

(4) Sepilok 10.5, 1 heard Sepilok 12.5, 1 heard Danum Valley 15.5 and 1 heard Danum Valley 16.5.

Blue-banded Pitta (LC) *Erythropitta arquata*

(4) 1 heard Ba'Kelalan 20.5, 1 heard Ba'Kelalan 21.5, 1 heard Paya Maga 23.5 and 1 heard Paya Maga 25.5.

Blue-winged Pitta (LC) *Pitta moluccensis*

(1) Klias Forest Reserve 19.5.

Hooded Pitta *Pitta sordida mulleri*

(3) Sepilok 11.5, Kinabatangan 13.5 and Kinabatangan 14.5.

Vangas & Allies *Vangidae*

Black-winged Flycatcher-shrike (LC) *Hemipus hirundinaceus*

(5) Observed Sepilok 10-12.5, Danum Valley 15.5 and Klias Forest Reserve 19.5.



Large Woodshrike

Tephrodornis virgatus frenatus

(3) Danum Valley 16.5, Ba'Kelalan 21.5 and Ba'Kelalan 22.5.

Rufous-winged Philentoma

Philentoma pyrhoptera pyrhoptera

(5) 1 heard Sepilok 10.5, 1 heard Sepilok 11.5, Danum Valley 15.5, Danum Valley 16.5 and Paya Maga 23.5.

Maroon-breasted Philentoma

Philentoma velata caesia

(6) Observed Danum Valley 15-18.5, Paya Maga 23.5 and Paya Maga 24.5.

Bristlehead Pityriasisidae

Bornean Bristlehead (VU)

Pityriasis gymnocephala

(2) Sepilok 11.5 and Danum Valley 14.5.

Woodswallows, Butcherbirds & Allies Artamidae

White-breasted Woodswallow

Artamus leucorhynchus leucorhynchus

(1) Telupid 30.4.

Ioras Aegithinidae

Common Iora (LC)

Aegithina tiphia

(2) Kinabatangan 13.5 and Danum Valley 17.5.

Green Iora

Aegithina viridissima viridissima

(7) Deramakot Forest Reserve 3.5, observed Sepilok 10-12.5, Danum Valley 17.5, Danum Valley 18.5 and Paya Maga 24.5.

Cuckooshrikes Campephagidae

Fiery Minivet

Pericrocotus igneus igneus

(2) Deramakot Forest Reserve 4.5 and Klias Forest Reserve 19.5.

Grey-chinned Minivet

Pericrocotus solaris cinereigula

(2) Mt Kinabalu NP 8.5 and Mt Kinabalu NP 9.5.

Scarlet Minivet

Pericrocotus speciosus insulanus

(3) Ba'Kelalan 21.5, Ba'Kelalan 22.5 and Paya Maga 23.5.

Sunda Cuckooshrike

Coracina larvata normani

(1) Ba'Kelalan 20.5.

Lesser Cuckooshrike

Lalage fimbriata schierbrandi

(4) Danum Valley 15.5, Danum Valley 17.5, Danum Valley 18.5 and 1 heard Ba'Kelalan 22.5.

Whistlers & Allies *Pachycephalidae*

Bornean Whistler (LC)

Pachycephala hypoxantha

(3) Mt Kinabalu NP 7.5, Mt Kinabalu NP 9.5 and Ba'Kelalan 20.5.

Shrikes *Laniidae*

Long-tailed Shrike

Lanius schach nasutus

(3) Mt Kinabalu NP 9.5, Sepilok 12.5 and Kota Kinabalu area 25.5.

Vireos, Greenlets, Shrike-babblers *Vireonidae*

White-browed Shrike-babbler

Pteruthius aeralatus robinsoni

(2) Mt Kinabalu NP 8.5 and Mt Kinabalu NP 9.5.

White-bellied Erpornis

Erpornis zantholeuca brunnescens

(1) Paya Maga 24.5.

Figbirds, Old World Orioles, Piopios *Oriolidae*

Black-and-crimson Oriole

Oriolus cruentus vulneratus

(3) Observed Ba'Kelalan 20-22.5.

Black Oriole (NT)

Oriolus hosii

(3) Observed Paya Maga 23-25.5.

Dark-throated Oriole

Oriolus xanthonotus consobrinus

(4) Deramakot Forest Reserve 3.5, Sepilok 11.5, Danum Valley 15.5 and Danum Valley 16.5.

Drongos *Dicruridae*

Bronzed Drongo

Dicrurus aeneus malayensis

(2) Deramakot Forest Reserve 3.5 and Deramakot Forest Reserve 4.5.

Greater Racket-tailed Drongo (LC)

Dicrurus paradiseus

(6) Deramakot Forest Reserve 2.5, Deramakot Forest Reserve 3.5, observed Sepilok 10-12.5 and Klias Forest Reserve 19.5.

Hair-crested Drongo

Dicrurus hottentottus borneensis

(7) Observed Mt Kinabalu NP 7-9.5, Tambunan 7.5, Ba'Kelalan 20.5 and observed Paya Maga 23-25.5.

Ashy Drongo

Dicrurus leucophaeus stigmatops

(10) Trus Madi 30.4, Tambunan 7.5, Mt Kinabalu NP 8.5, Mt Kinabalu NP 9.5, observed Ba'Kelalan 20-22.5 and observed Paya Maga 23-25.5.

Fantails Rhipiduridae

White-throated Fantail (LC)

Rhipidura albicollis

(4) Trus Madi 30.4, observed Mt Kinabalu NP 7-9.5 and Tambunan 7.5.

Malaysian Pied Fantail

Rhipidura javanica longicauda

(9) Telupid 1.5, observed Deramakot Forest Reserve 3-5.5, observed Danum Valley 14-16.5, Ba'Kelalan 21.5 and Ba'Kelalan 22.5.

Spotted Fantail (LC)

Rhipidura perlata

(5) Danum Valley 15.5, Ba'Kelalan 21.5, Ba'Kelalan 22.5, Paya Maga 23.5 and Paya Maga 24.5.

Monarchs Monarchidae

Black-naped Monarch

Hypothymis azurea prophata

(5) Danum Valley 15.5, Danum Valley 17.5, Danum Valley 18.5, Ba'Kelalan 20.5 and Paya Maga 24.5.

Blyth's Paradise Flycatcher

Terpsiphone affinis borneensis

(7) Danum Valley 14.5, Danum Valley 15.5, Danum Valley 18.5, Ba'Kelalan 19.5, Ba'Kelalan 20.5, Ba'Kelalan 22.5 and Paya Maga 23.5.

Jayshrike Platylophidae

Crested Jayshrike (NT)

Platylophus galericulatus

(8) 1 heard Telupid 1.5, 1 heard Danum Valley 17.5, observed Ba'Kelalan 20-22.5 and up to 1 Paya Maga 23-25.5.

Crows, Jays Corvidae

Bornean Black Magpie (LC)

Platysmurus aterrimus

(2) Sepilok 11.5 and 1 heard Danum Valley 16.5.

Bornean Green Magpie (LC)

Cissa jefferyi

(1) Mt Kinabalu NP 8.5.

Bornean Treepie (LC)

Dendrocitta cinerascens

(8) Tambunan 7.5, Mt Kinabalu NP 8.5, Mt Kinabalu NP 9.5, observed Ba'Kelalan 20-22.5, Paya Maga 23.5 and Paya Maga 24.5.

Slender-billed Crow

Corvus enca compiler

(10) Telupid 1.5, observed Deramakot Forest Reserve 2-4.5, observed Kinabatangan 12-14.5, Danum Valley 15.5, Danum Valley 16.5 and Paya Maga 22.5.

Rail-babbler *Eupetidae*

Rail-babbler

Eupetes macrocerus borneensis

(2) 1 heard Trus Madi 30.4 and Paya Maga 24.5.

Fairy Flycatchers *Stenostiridae*

Grey-headed Canary-flycatcher

Culicicapa ceylonensis antioxantha

(4) Danum Valley 15.5, Danum Valley 17.5, Paya Maga 23.5 and Paya Maga 24.5.

Bulbuls *Pycnonotidae*

Hairy-backed Bulbul

Tricholestes criniger viridis

(3) Telupid 1.5, Danum Valley 16.5 and Paya Maga 23.5.

Hook-billed Bulbul (VU)

Setornis criniger

(1) Klias Forest Reserve 19.5.

Yellow-bellied Bulbul (LC)

Alophoixus phaeocephalus

(5) Telupid 1.5, Sepilok 10.5, Sepilok 12.5, Danum Valley 15.5 and Danum Valley 16.5.

Grey-cheeked Bulbul

Alophoixus tephrogenys gutturalis

(3) Sepilok 11.5, Danum Valley 15.5 and Danum Valley 18.5.

Penan Bulbul (LC)

Alophoixus ruficrissus

(5) Trus Madi 30.4, Mt Kinabalu NP 8.5, Mt Kinabalu NP 9.5, Ba'Kelalan 21.5 and 1 heard Paya Maga 23.5.

Finsch's Bulbul (NT)

Iole finschii

(4) Deramakot Forest Reserve 4.5, Danum Valley 17.5, Danum Valley 18.5 and Ba'Kelalan 21.5.

Charlotte's Bulbul (NT)

Iole charlottae

(9) Deramakot Forest Reserve 3.5, observed Sepilok 10-12.5, Danum Valley 15.5, Danum Valley 16.5, Danum Valley 18.5, Paya Maga 23.5 and Paya Maga 24.5.

Cinereous Bulbul

Hemixos cinereus connectens

(6) Observed Ba'Kelalan 20-22.5 and observed Paya Maga 23-25.5.

Streaked Bulbul (NT)

Ixos malaccensis

(7) Deramakot Forest Reserve 4.5, Poring Hot Springs 10.5, Sepilok 11.5, Danum Valley 17.5, Ba'Kelalan 21.5, Paya Maga 23.5 and Paya Maga 24.5.

Puff-backed Bulbul (NT)

Euptilotus eutilotus

(1) Poring Hot Springs 10.5.

Black-headed Bulbul

Brachypodius melanocephalos melanocephalos

(3) Poring Hot Springs 10.5, Ba'Kelalan 21.5 and Ba'Kelalan 22.5.

Spectacled Bulbul

Ixodia erythroptalmos

(6) Poring Hot Springs 10.5, observed Danum Valley 15-18.5 and Paya Maga 23.5.

Grey-bellied Bulbul

Ixodia cyaniventris paroticalis

(1) Danum Valley 15.5.

Scaly-breasted Bulbul

Ixodia squamata borneensis

(3) Danum Valley 15.5, Ba'Kelalan 21.5 and Ba'Kelalan 22.5.

Bornean Bulbul (LC)

Rubigula montis

(5) Observed Ba'Kelalan 20-22.5, Paya Maga 24.5 and Paya Maga 25.5.

Cream-vented Bulbul (LC)

Pycnonotus simplex

(5) Poring Hot Springs 10.5, Sepilok 11.5, Sepilok 12.5, Danum Valley 15.5 and Klias Forest Reserve 19.5.

Olive-winged Bulbul (LC)

Pycnonotus plumosus

(5) Observed Sepilok 10-12.5, Danum Valley 14.5 and Paya Maga 22.5.

Asian Red-eyed Bulbul

Pycnonotus brunneus brunneus

(5) Deramakot Forest Reserve 4.5, observed Danum Valley 15-17.5 and Paya Maga 23.5.

Straw-headed Bulbul (CR)

Pycnonotus zeylanicus

(1) Danum Valley 16.5.

Cream-eyed Bulbul (LC)

Pycnonotus pseudosimplex

(3) Deramakot Forest Reserve 4.5, Danum Valley 17.5 and Ba'Kelalan 21.5.

Flavescent Bulbul (LC)

Pycnonotus flavescens

(1) Mt Kinabalu NP 9.5.

Yellow-vented Bulbul

Pycnonotus goiavier gourdini

(9) Telupid 1.5, Mt Kinabalu NP 9.5, Poring Hot Springs 10.5, Sepilok 11.5, Danum Valley 15.5, observed Ba'Kelalan 19-22.5 and Paya Maga 22.5.

Swallows, Martins Hirundinidae

Pacific Swallow

Hirundo tahitica javanica

(21) Telupid 1.5, observed Deramakot Forest Reserve 2-4.5, Tambunan 7.5, Poring Hot Springs 10.5, Sepilok 11.5, Sepilok 12.5, observed Kinabatangan 12-14.5, observed Danum Valley 15-18.5, observed Ba'Kelalan 19-22.5 and observed Paya Maga 22-25.5.

Barn Swallow

Hirundo rustica gutturalis

(1) Trus Madi 30.4.

Red-rumped Swallow

Cecropis daurica

(1) Paya Maga 22.5.

Cettia Bush Warblers & Allies Cettiidae

Yellow-bellied Warbler

Abroscopus superciliaris schwaneri

(2) Poring Hot Springs 10.5 and 1 heard Ba'Kelalan 21.5.

Mountain Tailorbird

Phyllergates cucullatus cinereicollis

(3) Tambunan 7.5, 1 heard Mt Kinabalu NP 8.5 and 1 heard Mt Kinabalu NP 9.5.

Aberrant Bush Warbler (LC)

Horornis flavolivaceus

(3) Tambunan 7.5, Mt Kinabalu NP 8.5 and Mt Kinabalu NP 9.5.

Bornean Stubtail (LC)

Urosphena whiteheadi

(1) Mt Kinabalu NP 8.5.

Leaf Warblers Phylloscopidae

Yellow-breasted Warbler

Phylloscopus montis montis

(3) Mt Kinabalu NP 8.5, Mt Kinabalu NP 9.5 and 1 heard Ba'Kelalan 20.5.

Mountain Leaf Warbler (LC)

Phylloscopus trivirgatus

(3) Tambunan 7.5, Mt Kinabalu NP 8.5 and Mt Kinabalu NP 9.5.

Grassbirds & Allies Locustellidae

Striated Grassbird

Megalurus palustris forbesi

(1) Kota Kinabalu area 25.5.

Cisticolas & Allies Cisticolidae

Yellow-bellied Prinia

Prinia flaviventris latrunculus

(3) Deramakot Forest Reserve 3.5, Kinabatangan 13.5 and Danum Valley 15.5.

Dark-necked Tailorbird (LC)

Orthotomus atrogularis

(3) Sepilok 10.5, Danum Valley 17.5 and Danum Valley 18.5.

Rufous-tailed Tailorbird

Orthotomus sericeus sericeus

(6) 1 heard Telupid 1.5, Deramakot Forest Reserve 3.5, Deramakot Forest Reserve 4.5, Poring Hot Springs 10.5, 1 heard Ba'Kelalan 21.5 and Paya Maga 23.5.

Ashy Tailorbird
Orthotomus ruficeps borneoensis

(6) Observed Sepilok 10-12.5, Kinabatangan 13.5, Danum Valley 15.5 and Klias Forest Reserve 19.5.

White-eyes Zosteropidae
Chestnut-crested Yuhina (LC)
Staphida everetti

(7) Observed Mt Kinabalu NP 7-9.5, observed Ba'Kelalan 20-22.5 and Paya Maga 24.5.

Pygmy White-eye (LC)
Heleia squamifrons

(6) Mt Kinabalu NP 8.5, observed Ba'Kelalan 20-22.5, Paya Maga 23.5 and Paya Maga 24.5.

Black-capped White-eye
Zosterops atricapilla atricapilla

(2) Mt Kinabalu NP 8.5 and Mt Kinabalu NP 9.5.

Mountain Blackeye (LC)
Zosterops emiliae

(2) Mt Kinabalu NP 8.5 and Mt Kinabalu NP 9.5.

Hume's White-eye (LC)
Zosterops auriventer

(1) Poring Hot Springs 10.5.

Babblers, Scimitar Babblers Timaliidae
Bold-striped Tit-Babbler (LC)
Mixornis bornensis

(8) 1 heard Telupid 1.5, Deramakot Forest Reserve 3.5, Deramakot Forest Reserve 4.5, Kinabatangan 13.5, Danum Valley 15.5, 1 heard Klias Forest Reserve 19.5, Ba'Kelalan 21.5 and Ba'Kelalan 22.5.

Fluffy-backed Tit-Babbler (NT)
Macronus ptilosus

(5) Danum Valley 15.5, Danum Valley 16.5, 1 heard Klias Forest Reserve 19.5, Paya Maga 22.5 and Paya Maga 25.5.

Grey-hooded Babbler (LC)
Cyanoderma bicolor

(6) Trus Madi 30.4, Telupid 1.5, Sepilok 10.5, Sepilok 11.5, Danum Valley 15.5 and Danum Valley 16.5.

Rufous-fronted Babbler (LC)
Cyanoderma rufifrons

(3) Danum Valley 15.5, Danum Valley 18.5 and Paya Maga 24.5.

Bare-headed Laughingthrush (LC)
Melanocichla calva

(2) Mt Kinabalu NP 7.5 and 1 heard Mt Kinabalu NP 8.5.

Sunda Scimitar Babbler
Pomatorhinus bornensis bornensis

(6) 1 heard Trus Madi 30.4, 1 heard Telupid 1.5, Danum Valley 17.5, 1 heard Ba'Kelalan 20.5, Ba'Kelalan 22.5 and Paya Maga 23.5.

Black-throated Babbler (NT)
Stachyris nigricollis

(1) Klias Forest Reserve 19.5.

Chestnut-rumped Babbler
Stachyris maculata maculata



(2) Danum Valley 15.5 and Danum Valley 18.5.

Grey-throated Babbler (LC)

Stachyris nigriceps

(3) Trus Madi 30.4, Tambunan 7.5 and Mt Kinabalu NP 8.5.

Grey-headed Babbler (LC)

Stachyris poliocephala

(2) Paya Maga 23.5 and Paya Maga 24.5.

White-necked Babbler

Stachyris leucotis obscurata

(1) Paya Maga 25.5.

Ground Babblers *Pellorneidae*

Black-throated Wren-Babbler (NT)

Turdinus atrigularis

(1) Danum Valley 16.5.

Sooty-capped Babbler

Malacopteron affine phoeniceum

(4) Kinabatangan 14.5 and observed Danum Valley 16-18.5.

Rufous-crowned Babbler (NT)

Malacopteron magnum

(6) Telupid 1.5, Deramakot Forest Reserve 4.5, Danum Valley 15.5, Danum Valley 16.5, Danum Valley 18.5 and Paya Maga 23.5.

Moustached Babbler

Malacopteron magnirostre cinereocapilla

(2) Deramakot Forest Reserve 4.5 and Danum Valley 16.5.

Bornean Black-capped Babbler

Pellorneum capistratoides

(4) Trus Madi 30.4, Sepilok 11.5, Klias Forest Reserve 19.5 and Ba'Kelalan 21.5.

Short-tailed Babbler (NT)

Pellorneum malaccense

(1) Sepilok 10.5.

Temminck's Babbler (LC)

Pellorneum pyrrogenys

(5) Trus Madi 30.4, Mt Kinabalu NP 9.5, 1 heard Ba'Kelalan 20.5, 1 heard Paya Maga 23.5 and 1 heard Paya Maga 24.5.

White-chested Babbler

Pellorneum rostratum macropterum

(2) Kinabatangan 12.5 and Kinabatangan 13.5.

Ferruginous Babbler (LC)

Pellorneum bicolor

(2) Danum Valley 15.5 and 1 heard Paya Maga 23.5.

Striped Wren-Babbler (NT)

Kenopia striata

(1) Danum Valley 16.5.

Horsfield's Babbler (LC)

Malacocincla sepiaria

(2) Danum Valley 15.5 and Danum Valley 17.5.



Mountain Wren-Babbler (LC)

Gypsophila crassa

(1) Mt Kinabalu NP 8.5.

Bornean Wren-Babbler (VU)

Ptilocichla leucogrammica

(2) Danum Valley 16.5 and Danum Valley 17.5.

Eyebrowed Wren-Babbler

Napothera epilepidota exsul

(2) 1 heard Trus Madi 30.4 and Paya Maga 24.5.

Alcippe Fulvettas Alcippeidae

Brown Fulvetta

Alcippe brunneicauda eriphaea

(7) Observed Danum Valley 15-18.5, 1 heard Ba'Kelalan 20.5, Ba'Kelalan 21.5 and Paya Maga 23.5.

Laughingthrushes & Allies Leiothrichidae

Sunda Laughingthrush

Garrulax palliatus schistochlamys

(2) Mt Kinabalu NP 7.5, Mt Kinabalu NP 8.5 and Tambunan 7.5.

Chestnut-hooded Laughingthrush (LC)

Pterorhinus treacheri

(7) Trus Madi 30.4, observed Mt Kinabalu NP 7-9.5, Tambunan 7.5 and observed Ba'Kelalan 20-22.5.

Fairy-bluebirds Irenidae

Asian Fairy-bluebird

Irena puella crinigera

(4) Danum Valley 18.5, Ba'Kelalan 21.5, Paya Maga 23.5 and Paya Maga 24.5.

Nuthatches Sittidae

Velvet-fronted Nuthatch

Sitta frontalis corallipes

(1) Danum Valley 15.5.

Starlings, Rhabdornises Sturnidae

Asian Glossy Starling (LC)

Aplonis panayensis

(5) Observed Sepilok 10-12.5, Klias Forest Reserve 19.5 and Kota Kinabalu area 25.5.

Common Hill Myna

Gracula religiosa religiosa

(4) Sepilok 11.5, Danum Valley 15.5, Danum Valley 18.5 and Klias Forest Reserve 19.5.

Javan Myna (VU)

Acridotheres javanicus

(8) Telupid 2.5, Telupid 6.5, Poring Hot Springs 10.5, Sepilok 11.5, Sepilok 12.5, Kinabatangan 13.5, Kinabatangan 14.5 and Danum Valley 14.5.

Common Myna

Acridotheres tristis tristis

(1) Telupid 6.5.

Thrushes Turdidae

Everett's Thrush (NT)

Zoothera everetti

(2) Mt Kinabalu NP 7.5 and Mt Kinabalu NP 8.5.

Chats, Old World Flycatchers Muscicapidae

Oriental Magpie-Robin (LC)

Copsychus saularis

(14) Trus Madi 30.4, Telupid 1.5, observed Deramakot Forest Reserve 3-5.5, Mt Kinabalu NP 8.5, Mt Kinabalu NP 10.5, Sepilok 11.5, Sepilok 12.5, Danum Valley 14.5, observed Ba'Kelalan 19-22.5 and Paya Maga 22.5.

Rufous-tailed Shama (NT)

Copsychus pyrropygus

(1) Danum Valley 16.5.

White-rumped Shama

Copsychus malabaricus suavis

(4) Observed Paya Maga 22-25.5.

White-crowned Shama

Copsychus stricklandii stricklandii

(10) Trus Madi 30.4, Telupid 1.5, up to 1 Deramakot Forest Reserve 4-6.5, Kinabatangan 13.5 and observed Danum Valley 15-18.5.

White-tailed Flycatcher

Leucoptilon concretum everetti

(1) Paya Maga 24.5.

Pale Blue Flycatcher

Cyornis unicolor cyanopolia

(5) 1 heard Danum Valley 17.5, Danum Valley 18.5, 1 heard Ba'Kelalan 20.5, Paya Maga 23.5 and 1 heard Paya Maga 24.5.

Dayak Blue Flycatcher (LC)

Cyornis montanus

(7) Trus Madi 30.4, up to 1 Ba'Kelalan 20-22.5 and observed Paya Maga 23-25.5.

Sunda Blue Flycatcher (VU)

Cyornis caerulatus

(1) Danum Valley 15.5.

Bornean Blue Flycatcher (LC)

Cyornis superbus

(1) Danum Valley 15.5.

Malaysian Blue Flycatcher (NT)

Cyornis turcosus

(2) Kinabatangan 13.5 and Danum Valley 15.5.



Fulvous-chested Jungle Flycatcher

Cyornis olivaceus olivaceus

(1) 1 heard Poring Hot Springs 10.5.

Verditer Flycatcher

Eumyias thalassinus thalassoides

(4) Tambunan 7.5, Danum Valley 15.5, Ba'Kelalan 21.5 and Ba'Kelalan 22.5.

Indigo Flycatcher

Eumyias indigo cerviniventris

(3) Tambunan 7.5, Mt Kinabalu NP 8.5 and Mt Kinabalu NP 9.5.

Bornean Shortwing (LC)

Brachypteryx erythrogyna

(1) 1 heard Ba'Kelalan 21.5.

Eyebrowed Jungle Flycatcher (LC)

Vauriella gularis

(1) Mt Kinabalu NP 8.5.

White-crowned Forktail

Enicurus leschenaulti frontalis

(2) Danum Valley 15.5 and Danum Valley 16.5.

Bornean Forktail

Enicurus borneensis

(2) Mt Kinabalu NP 7.5 and Mt Kinabalu NP 8.5.

Bornean Whistling Thrush (LC)

Myophonus borneensis

(3) Observed Mt Kinabalu NP 7-9.5.

Pygmy Flycatcher

Ficedula hodgsoni sondaica

(2) Mt Kinabalu NP 8.5 and 1 heard Ba'Kelalan 21.5.

Little Pied Flycatcher

Ficedula westermanni westermanni

(2) Tambunan 7.5 and Mt Kinabalu NP 8.5.

Snowy-browed Flycatcher (LC)

Ficedula hyperythra

(2) Tambunan 7.5 and Mt Kinabalu NP 8.5.

Rufous-chested Flycatcher

Ficedula dumetoria muelleri

(2) Trus Madi 30.4 and 1 heard Ba'Kelalan 22.5.

Leafbirds Chloropseidae

Greater Green Leafbird

Chloropsis sonnerati zosterops

(3) Danum Valley 17.5, Klias Forest Reserve 19.5 and Ba'Kelalan 22.5.

Lesser Green Leafbird

Chloropsis cyanopogon cyanopogon

(4) Deramakot Forest Reserve 3.5, Poring Hot Springs 10.5, Sepilok 11.5 and Danum Valley 18.5.

Bornean Leafbird (LC)

Chloropsis kinabaluensis

(3) Observed Ba'Kelalan 20-22.5.



Flowerpeckers *Dicaeidae*

Yellow-breasted Flowerpecker

Prionochilus maculatus maculatus

(4) Deramakot Forest Reserve 4.5, Sepilok 11.5, Sepilok 12.5 and Danum Valley 15.5.

Yellow-rumped Flowerpecker (LC)

Prionochilus xanthopygius

(9) Deramakot Forest Reserve 4.5, Sepilok 10.5, Kinabatangan 14.5, Danum Valley 15.5, Danum Valley 17.5, Klias Forest Reserve 19.5, Ba'Kelalan 22.5, Paya Maga 23.5 and Paya Maga 24.5.

Scarlet-breasted Flowerpecker (NT)

Prionochilus thoracicus

(1) Klias Forest Reserve 19.5.

Yellow-vented Flowerpecker

Dicaeum chrysorrheum chrysorrheum

(2) Sepilok 12.5 and Klias Forest Reserve 19.5.

Orange-bellied Flowerpecker

Dicaeum trigonostigma dayakanum

(7) Deramakot Forest Reserve 4.5, Poring Hot Springs 10.5, Sepilok 11.5, Danum Valley 15.5, Danum Valley 17.5, Danum Valley 18.5 and Klias Forest Reserve 19.5.

Plain Flowerpecker

Dicaeum minullum borneanum

(2) Danum Valley 17.5 and Danum Valley 18.5.

Black-sided Flowerpecker (LC)

Dicaeum monticolum

(2) Mt Kinabalu NP 7.5 and Ba'Kelalan 20.5.

Scarlet-backed Flowerpecker

Dicaeum cruentatum nigrimentum

(1) Klias Forest Reserve 19.5.

Sunbirds *Nectariniidae*

Ruby-cheeked Sunbird

Chalcoparia singalensis borneana

(7) Poring Hot Springs 10.5, Sepilok 11.5, Sepilok 12.5, Kinabatangan 13.5, Kinabatangan 14.5, Danum Valley 18.5 and Ba'Kelalan 22.5.

Plain Sunbird (LC)

Anthreptes simplex

(8) Sepilok 12.5, Kinabatangan 13.5, Danum Valley 15.5, Danum Valley 17.5, Danum Valley 18.5 and observed Paya Maga 22-24.5.

Brown-throated Sunbird (LC)

Anthreptes malacensis

(3) Poring Hot Springs 10.5, Sepilok 10.5, Sepilok 12.5 and Danum Valley 14.5.

Red-throated Sunbird (NT)

Anthreptes rhodolaemus

(5) Deramakot Forest Reserve 4.5, Sepilok 11.5, Sepilok 12.5, Danum Valley 16.5 and Danum Valley 18.5.

Van Hasselt's Sunbird

Leptocoma brasiliana brasiliana

(4) Deramakot Forest Reserve 4.5, Deramakot Forest Reserve 5.5, Sepilok 12.5 and Klias Forest Reserve 19.5.

Copper-throated Sunbird (LC)

Leptocoma calcostetha

(1) Sepilok 10.5.

Olive-backed Sunbird

Cinnyris jugularis ornatus

(2) Mt Kinabalu NP 8.5 and Mt Kinabalu NP 9.5.

Crimson Sunbird

Aethopyga siparaja siparaja

(5) Poring Hot Springs 10.5, observed Sepilok 10-12.5, Kinabatangan 14.5 and Klias Forest Reserve 19.5.

Temminck's Sunbird (LC)

Aethopyga temminckii

(6) Mt Kinabalu NP 8.5, Mt Kinabalu NP 9.5, observed Ba'Kelalan 20-22.5 and Paya Maga 23.5.

Purple-naped Sunbird

Kurochkinogramma hypogrammicum hypogrammicum

(3) Sepilok 11.5, Sepilok 12.5 and Danum Valley 15.5.

Little Spiderhunter

Arachnothera longirostra buettikoferi

(9) 1 heard Trus Madi 30.4, Telupid 1.5, Sepilok 11.5, Sepilok 12.5 and observed Danum Valley 14-18.5.

Thick-billed Spiderhunter (LC)

Arachnothera crassirostris

(2) Sepilok 12.5 and Danum Valley 14.5.

Long-billed Spiderhunter

Arachnothera robusta robusta

(1) Sepilok 11.5.

Spectacled Spiderhunter (LC)

Arachnothera flavigaster

(3) Poring Hot Springs 10.5, Danum Valley 15.5 and Danum Valley 17.5.

Yellow-eared Spiderhunter (LC)

Arachnothera chrysogenys

(5) Deramakot Forest Reserve 4.5, Danum Valley 15.5, Danum Valley 17.5, Ba'Kelalan 22.5 and Paya Maga 24.5.

Bornean Spiderhunter

Arachnothera everetti

(4) Danum Valley 15.5, Danum Valley 18.5, Ba'Kelalan 20.5 and Ba'Kelalan 22.5.

Whitehead's Spiderhunter (LC)

Arachnothera juliae

(2) Mt Kinabalu NP 8.5 and Ba'Kelalan 21.5.

Old World Sparrows, Snowfinches *Passeridae*

Eurasian Tree Sparrow (LC)

Passer montanus

(17) Telupid 1.5, observed Deramakot Forest Reserve 2-5.5, Tambunan 7.5, Mt Kinabalu NP 9.5, Poring Hot Springs 10.5, observed Sepilok 10-12.5, Lahad Datu 18.5 and observed Ba'Kelalan 19-22.5.

Waxbills, Munias & Allies *Estrildidae*

Scaly-breasted Munia
Lonchura punctulata cabanisi

(2) Mt Kinabalu NP 9.5 and Mt Kinabalu NP 10.5.

Dusky Munia (LC)
Lonchura fuscans

(14) Trus Madi 30.4, observed Deramakot Forest Reserve 3-5.5, Poring Hot Springs 10.5, Kinabatangan 13.5, observed Danum Valley 14-16.5, Danum Valley 18.5 and observed Ba'Kelalan 19-22.5.

White-bellied Munia (LC)
Lonchura leucogastra

(1) Sepilok 10.5.

Chestnut Munia
Lonchura atricapilla jagori

(7) Tambunan 7.5, Mt Kinabalu NP 8.5, Mt Kinabalu NP 9.5, Poring Hot Springs 10.5, Sepilok 11.5, Ba'Kelalan 19.5 and Paya Maga 22.5.

Wagtails, Pipits *Motacillidae*
Paddyfield Pipit
Anthus rufulus malayensis

(1) Lahad Datu 18.5.

Amphibians (9 in total: 9 seen)

Asian Toads *Megophryidae*
Lowland Litter Frog (LC)
Leptobrachium abbotti

(1) Danum Valley 17.5.

Fork-tongued Frogs *Dicroglossidae*
Paddyfield Frog (LC)
Fejervarya limnocharis

(1) Deramakot Forest Reserve 2.5.

Shrub Frogs *Rhacophoridae*
Four-striped Tree Frog (LC)
Polypedates leucomystax

(2) Deramakot Forest Reserve 2.5 and Danum Valley 14.5.

Dark-eared Treefrog (LC)
Polypedates macrotis

(1) Deramakot Forest Reserve 2.5.

File-eared Tree Frog (LC)
Polypedates otlophus

(4) 1 heard Deramakot Forest Reserve 4.5, Danum Valley 14.5, Danum Valley 16.5 and Danum Valley 17.5.



Wallace's Flying Frog (LC)

Rhacophorus nigropalmatus

(2) Deramakot Forest Reserve 5.5 and Danum Valley 17.5.

Harlequin Flying Frog (LC)

Rhacophorus pardalis

(2) Danum Valley 14.5 and Danum Valley 16.5.

Fork-tongued Frogs *Dicroglossidae*

Broad-headed Creek Frog

Limnonectes kong

(1) Mt Kinabalu NP 8.5.

Typical Frogs *Ranidae*

Cricket Frog

Indosylvirana nicobariensis

(1) Deramakot Forest Reserve 2.5.

Reptiles (23 in total: 23 seen)

Agamas *Agamidae*

Green Crested Lizard (LC)

Bronchocela cristatella

(2) Poring Hot Springs 9.5 and Danum Valley 18.5.

Bartlett's Flying Dragon (LC)

Draco cornutus

(1) Danum Valley 17.5.

Fringed Flying Dragon (LC)

Draco fimbriatus

(1) Poring Hot Springs 9.5.

Borneo Forest Dragon (LC)

Gonocephalus bornensis

(1) Sepilok 11.5

Ornate Earless Agama

Aphaniotis ornate

(1) Sepilok 11.5.

Geckos *Gekkonidae*

Kinabalu Bow-fingered Gecko (LC)

Cyrtodactylus baluensis

(1) Mt Kinabalu NP 8.5.

Brook's House Gecko (LC)

Gekko monarchus

(2) Sepilok 9.5 and Sepilok 10.5.

Smith's Green-eyed Gecko (LC)

Gekko smithii

(2) Sepilok 9.5 and Danum Valley 15.5.

Common House Gecko (LC)

Hemidactylus frenatus

(6) Telupid 1.5, observed Deramakot Forest Reserve 2-5.5 and Sepilok 9.5.

Flat-tailed House Gecko (LC)

Hemidactylus platyurus

(2) Poring Hot Springs 9.5, Sepilok 9.5 and Danum Valley 15.5.

Indopacific Tree Gecko (LC)

Hemiphyllodactylus typus

(1) Sepilok 11.5.

Skinks Scincidae

Borneo Dasia (LC)

Dasia vittata

(1) Poring Hot Springs 9.5.

Rough Mabuya (LC)

Eutropis rudis

(3) Telupid 1.5, Sepilok 9.5 and Sepilok 11.5.

Sabah Slender Skink (LC)

Sphenomorphus sabanus

(1) Telupid 1.5.

Santubong Sun Skink

Eutropis lewisi

(2) Sepilok 11.5 and Klias Forest Reserve 19.5.

Monitor Lizards Varanidae

Roughneck Monitor (DD)

Varanus rudicollis

(1) Danum Valley 16.5.

Water Monitor (LC)

Varanus salvator macromaculatus

(5) Deramakot Forest Reserve 2.5, Sepilok 11.5, Sepilok 12.5, Kinabatangan 13.5 and Kinabatangan 14.5.

Pythons Pythonidae

Reticulated Python

Malayopython reticulatus reticulatus

(2) Deramakot Forest Reserve 3.5 and Sepilok 12.5.

Colubrid Snakes Colubridae

Gray Bronzeback (LC)

Dendrelaphis caudolineatus



(2) Danum Valley 16.5 and Danum Valley 18.5.

Brown Whip Snake

Dryophiops rubescens

(1) Danum Valley 17.5.

Legless Lizards *Dibamidae*

Legless Lizard species

Dibamus ingeri

(1) Ba'Kelalan 21.5.

Vipers *Viperidae*

Philippine Pitviper (LC)

Tropidolaemus subannulatus

(2) Sepilok 11.5 and Sepilok 12.5.

Crocodiles and Relatives *Crocodylidae*

Saltwater Crocodile (LC)

Crocodylus porosus

(3) Deramakot Forest Reserve 3.5, Kinabatangan 13.5 and Kinabatangan 14.5.