

Borneo at night

Mammal watching

A Greentours trip report

12th to 25th October 2025

Led by Phil Benstead and Alcey Kangit



Summary

A combination of hard work and a really effective team produced the goods in terms of premium mammal sightings this year. We recorded not one but two separate Sunda pangolins; one at Sepilok on the first night and another during our seven-night sojourn at Deramakot. Incredibly a sun bear was also found one evening at Deramakot. The Kinabatangan produced the goods too this year, first with a huge herd of 70+ elephants feeding on oil palm as it was knocked down and then a stunning moment when we came upon a hunting Sunda clouded leopard in one of the side channels. With the usual solid supporting cast of the more easily encountered mammals this all made for a very memorable trip.

Daily diary

12/10 KL to Sepilok

We met up at the gate in KL and waited patiently for a delayed last leg – the flight to Sandakan. The flight left about 25 minutes late in the end but we were on our way. Arriving at the small airport at Sandakan we got through immigration (again) and picked up our bags. Lister was there to pick us up and we drove to a nearby restaurant and then up to the orangutan sanctuary. We watched some great antics in the nursery area as oranges of all ages fed quietly or swung about expertly. Our first Prevost's squirrel put in an appearance. A huge highlight for Phil came when Linda pointed out a blue-throated bee-eater that had just caught a gomphid – Phil's first *Macrogomphus quadratus*! He just had time to snap a shot through the very dirty window before it was gone forever. Next up was check in at the nearby resort. Settled into our rooms we had a little time to rest or explore the garden. Phil found the damselflies *Mortonagrion alcyone* and *Argiocnemis rubescens*. Temminck's sunbirds were evident. At dusk *Zygomma petiolatum* and *Tholymis tillarga* whizzed about the pond.



At 1730 we took to the bus for the short drive to the centre and the canopy walkway, a lovely robust structure. Walking to the flying squirrel viewing area we saw a close female orangutan with a youngster. At dusk the red giant flying squirrels performed beautifully, at least two gliding near the walkway we were on. Next up was a short but rather rapid nightwalk that produced just two lesser mouse-deer and a Philippine palm civet. Our ranger had hoped to show us a loris and/or tarsier and was rather disappointed with himself when he failed. We did not mind though as we arrived back in the car

park to discover that our driver Roy had found a PANGOLIN!!! What a beast, it was seemingly stuck in a storm culvert and we alerted the ranger team who moved it somewhere safer and quieter. An unbelievable start to the tour.

It wasn't over yet though, when we got back to the resort, we ordered food and Phil went back to put on his moth light. On the way back to the restaurant he had a very good encounter with a Temminck's flying squirrel.

13/10 Sepilok (the sun bear rehab centre) and the journey to Deramakot

This morning we managed a lie-in unless you got the gibbon wake-up call at 0530. A leisurely breakfast was followed by check out and a short drive to the sun bear rehab centre. The bears were obliging and charismatic and we saw a few birds including hairy-backed bulbul and crimson-winged woodpecker.

The slow minibus drive to Telupid was a bit onerous but we made good time and eventually we arrived at this small town for lunch in a Chinese restaurant and a bit of shopping (for all important electrolytes). After lunch we loaded ourselves and all our stuff into a 4WD and headed off with Alcey on the next leg of the journey. We bumped along the rough track into Deramakot recording our first water monitor but little else. Settling into our rooms we had time for a break before dinner and the first night drive. Alcey worked hard for us with the spotlight but the night was slow to get going. As the forest cooled though things started to move about. Chris



and Linda were thrilled to watch their first slow loris. Thomas' flying squirrel put in an appearance, again a great view. Once things got going the drive was punctuated by regular things worth stopping for; two sambar, another Thomas' flying squirrel, speedy Ranees mice evaded all but the fastest photographer in roadside grass, roosting birds were checked, small-toothed palm civets became commonplace, another loris gave exceptional views but was not slow and finally we rounded off this short session with nice looks at two Malay civets. Back at our rooms we found a number of nice things attracted to the moth light including an impressive cossid moth (*Xyleutes strix*).

14/10 Deramakot

We breakfasted at 0900 this morning and headed out for an orientation walk. The Domingo trail was in a pretty poor state and needed work but we clambered over the obstacles that we found. At the start of the trail we found a small group of maroon langur, but after the initial disturbance that gave them away they sat quietly in the canopy and we could not get further views. So rather quiet for mammals and birds but we enjoyed the butterflies and dragonflies that showed up.

Dinner at 1800 and then an unbelievable and long spotlighting session in the pickup that ended at 0300. Tonight we drove slowly all the way to Balat Station and back and had a steady succession of new mammals. It is difficult to get it all in chronological order but here goes. Civets were abundant, with plenty of small-toothed and Philippine, a few Malay and best of all, late into the session, a beautiful binturong, all sleek and black and high in a fruiting fig. We bumped into our first feeding group of large flying foxes and later one of these wretched animals scored direct hits on the occupants of our pickup during a low-level bombing run. Frogs



were active and we were pleased to add harlequin tree frog to our list and found some flooded tire ruts held two superb Wallace's flying frogs. Our first leopard cat was well-received and posed beautifully on the track (we saw another later). Things went purple though when Alcey stopped beside a disturbance in the roadside grasses and I think she was more shocked than we were when a pangolin waddled out onto the road by the vehicle. Only the second ever record at Deramakot but our second of the trip – insane! A little further on we connected with an unbelievable second Temminck's flying squirrel and then a *Cyanopterus* fruit bat. Alcey found us a nice hanging trefoil

horseshoe bat. What an amazing drive! We crawled into bed at 0330, well pleased with the results of our first long session.

15/10 Deramakot

A late start saw Phil breakfasting alone at 1030 and then heading down to the nearby Sungai Mannan for some odonates and the chance of an otter. No otters today but a nice selection of Borneo riverine odonates including the stunning *Libellago phaeton* and *Rhinocypha cucullata*.

After another dinner at 1800 we headed out for another nightdrive back down the entrance road which is always quieter it seems. This drive was marred by a lot of rain but we still managed some good stuff. First up was a Malay civet with a quarter-size kit in tow. Superb. We also bagged our first two colugo, the second offering a nice view. Finally, we enjoyed a small reticulated python crossing the road in front of us.

16/10

Deramakot



We slept through the morning today until lunch and left at 1500 for a day/night drive. The day part took in a nice orangutan female and youngster. There were birds including grey wagtail and bronzed drongo. As dusk fell we bumped into a lesser chevrotain and the stopped for dinner. The drive back to the accommodation was very quiet at first but heated up when we saw a superb banded civet. Never common, this handsome civet is always a treat. Next up were two randy colugos. Checking the fruiting figs on the way back produced two separate binturong. Throughout the drive we bumped into a total of three leopard cats.

17/10

Deramakot

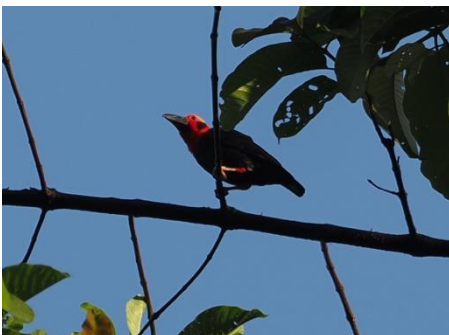
Phil walked up the trail after breakfast today for a very hot walk searching for dragonflies. Too hot though (we experienced a heat wave during this period) and he soon staggered back at midday. Our short afternoon and early evening drive was rather quiet but in daylight we had a nice encounter with buff-rumped woodpecker and a black-and-yellow broadbill, and we recorded our only plantain squirrel. At night we had nice views of binturong and a few leopard cats but otherwise it was quiet.



18/10

Deramakot

We managed a pre-dawn meet-up and drove down the entrance road searching for gibbon. We found a good fig tree but it had just a lone long-tailed macaque and rhinoceros and bushy-crested hornbills. A trip highlight came next when Alcey found us a small flock of superb Bornean bristleheads – the standout endemic bird of Borneo and a much-wanted monotypic family in the bag. Chris distinguished himself by spotting two elephant feeding below the road in bamboo. A bit further on Phil spotted our first pale giant squirrels and Alcey spotted our first gibbons. Superb views were had. We got another gibbon on the drive back and then headed for a bat cave past HQ. The walk in was rather technical but we made it to a small overhang cave that had two new horseshoe bats for our list.



After breakfast Phil got out to search for odonates around the ponds and was pleased to add *Rhyothemis obsolescens* to the reserve list. Overnight a rarely encountered aeshnid, *Tetracanthagyna degorsi*, came to the chalet light much to Phil's delight.

Sadly, it was raining when we went down to our late dinner at 2000. The rain continued for the first half of our nightdrive and conditions were poor for seeing things and none of us unwrapped our cameras. On the way back the rain stopped and we saw one of everything that is commonplace on a nightly basis, including a brief encounter with nice leopard cat. The best came back at our chalet where we finally connected with an obliging barred eagle owl.



19/10

Deramakot

The late afternoon and night drive was a great success. First up were a close male and female orangutan, engaged in some sort of courtship, they quickly made themselves scarce. A great pair of Bornean crested firebacks next that appeared on the road. Just before dusk we drove a sidetrack and found some great sign, footprints and cowpats of banteng were our first and tracks of otter-civet even more exciting. We vowed to get back after dinner. Driving the trail back at dusk we were stunned when BOOM! a sun bear wandered across the road. The thermal imager indicated that it was just stationary in thick cover and after a while it started vocalising, a throaty gulping noise and then joy of joys it poked its head out and shambled up the road. Superb. It was not over yet though as we recorded our first black giant flying squirrel as we drove back.



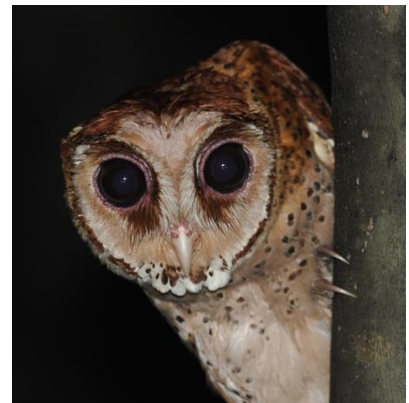
After dinner we worked our way back to the 'banteng road' but just as we got there the heavens opened up and we retreated into the cab and drove back to base.

20/10

Deramakot to Sukau

Up early this morning, bags into a 4WD, breakfast and off after a great 7-day session at Deramakot. We bumped along the track and met up with our minibus for the remainder of the journey to the jetty at Sukau. En route we had a few errands, we bought fruit including a superb kampong durian that went down rather well. Lacking a parang, an astonished gallery watched Alcey open this tough and spiky fruit with her bare hands... At the jetty we waited a short while for our boat and then we were on the river for the short run upriver to the lodge. Here we settled in, lunched and avoided the heat of the day before we assembled for our 1600 boat ride. This was promptly cancelled due to a big downpour so we parlayed the lost boat time into an extended night session.

So at 1000 we left the jetty, highlights up a nearby side channel included nearly seeing large frogmouth, a superb very close bay owl and our first dark-tailed tree rats. We stopped back at the lodge for a quick pit stop followed by a look upstream. The thermal scope produced a big bull elephant and we heard Sunda scops owl. We got back just after four o'clock as the sun started to brighten the horizon in the east.



21/10

the Kinabatangan



Sleep took up the morning. Lunch today included a duel between Wallace's hawk-eagle and an adult colugo. The hawk repeatedly tried to catch the colugo when it tried to glide to safety. Eventually the colugo survived after quite a show.

Our afternoon boat ride actually departed today, we were pretty tired but made a decent fist of it, recording; black-eared barbet, lesser adjutant, wrinkled hornbill, a superb white crowned hornbill,

our first Storm's stork, silvered langur and of course plenty of proboscis monkeys.

For the first leg of our night session we were joined by Dick (from the head office of our ground-agents) who somewhat disturbed our process. We started off well with a Mueller's giant rat (*Sundamys muelleri*), but we did manage another bay owl sighting. We duelled again with the large frogmouth without success. A nice highlight was a buffy fish owl with prey (a startling fish – an introduced pleco *Hypostomus* sp.). After a pitstop we headed back to the same channel but, whilst we got good views of Malay and Philippine civets, we could not find the flat-headed cat that had been seen by others yesterday...

22/10 the Kinabatangan

Linda persuaded us all to get out at 1500 this afternoon and chase the elephant herd that had been spotted downriver. This proved to be a superb idea. En route in light rain we spotted a good number of bedraggled Wallace's hawk eagles and crested serpent eagles drying off in the tops of trees. Motoring a side channel through oil palm gave us some new birds including our first dollarbirds and Asian glossy starling. A huge crowd of boats was also making their way down the channel and pretty soon we were clambering out of the boat to find an extraordinary scene. Three diggers were knocking down oil palm trees and chopping them up and in



amongst these machines was a huge herd of elephants feeding on the fresh shoots in the crowns of the trees that littered the ground. They were distant and there may have been more than our maximum count of 71, as there must have been some smaller youngsters that were hidden from our view. Just astonishing! Oil palm is grown on a roughly 20-year rotation and the elephants have come to associate the noise of these machines with nutritious food and flock together from far afield at sites being worked in this way.

After dinner our boatman took to almost dry land to take us for a walk around the back of the lodge, no sign of flat-headed cat but another bay owl and a superb large frogmouth as well as some good frogs. Our night boat session left at 2200 and got back just after 0200. All was quiet until we interrupted a Sunda clouded leopard stalking a long-tailed macaque up a channel-side tree! The monkey realised its imminent demise was possible and leapt out of the tree into the water, narrowly escaping predation by a waiting estuarine crocodile of some size (a well known animal called *Mr Black* by the local guides). The leopard was rightly annoyed with us and quickly left the tree, walked away and was gone. A stunning but too brief encounter. On the way back we recorded our second and last banded civet of the trip.



23/10

to Danum (Langom Research Centre)



The transfer day arrived, we opted for as much sleep as possible and had an 0800 breakfast and were on the road by 0945. The drive to Lahad Datu was produced a few birds including chestnut munia and long-tailed shrike. Lunching in Lahad Datu produced zebra dove and rufous night heron. After a tasty Malay lunch we got our gear into the 4WDs and headed off to our lodge in the woods. En route we stopped for a few things including a large but elusive gang of maroon langurs and a superb immature Malay night heron.

Our short post dinner drive with spotlight and thermal imager was rather quiet. The highlight was a great view of Wallace's flying frog. Mammals did appear, we got great images of diadem roundleaf bats hanging near the car. Two Malay civet sightings and two lesser mouse-deer were nice. But generally it was surprisingly quiet with no roosting birds or rats to delay our drive. Our allotted three hours went quickly and we were soon back for a glorious early night!

24/10

Danum

Our last morning ride produced two nice orangutans and a few troupes of maroon langurs. But perhaps it was better for birds with views, of varying quality, of white-fronted falconet, white-bellied woodpecker and long-tailed parakeet.



After our late breakfast rain started and continued for 11 hours putting a bit of a dampener on things. Our final session of the trip nevertheless departed at 1500 for the Danum Valley Field Centre. We chugged along slowly spotting an orangutan and many pig-tailed macaque. Bird highlights included a female great argus, a male fireback and four splendid great slaty woodpeckers. We had coffee and a break at DVFC and then spotlit our way home. Still in the DVFC grounds we had our final leopard cat of the trip. Malay, Philippine, and small-toothed palm civets followed. The best came though when the thermal scope revealed a porcupine on the track. We were treated to quite a show as first one and then two porcupines waddled up to

check us out. A great end to our night work on this tour. We were not quite finished though, the thermal scope producing one last treat in the shape of an incredible ball of bird that was our first and only fluffy-backed tit-babbler.

25/10

Danum to Sandakan

Up early this morning but only one car arrived so we sped off up the track, leaving Alcey behind. Sadly she never caught up with us and we had seen the last of this remarkable spotter and woman. A huge part of our success was due to her singing up the mammal greatest hits of Borneo. But our mammaling was not over yet we bumped into several lesser chevrotain, nearly hit a sambar and then best-of-all bumped into a pair of Bornean yellow muntjac – our last new mammal of the trip and one that is rarely recorded. A great end to an unnecessarily successful trip.

Rocking up in Lahad Datu we just had time for a roti canai breakfast and a coffee before taking to the minibus for the journey to the airport in Sandakan. We made good time and had time for a good lunch before security and surrendering to the travel machine.

Systematic List 1 – MAMMALS

Nomenclature follows iNaturalist taxonomy.

Moonrat	<i>Echinosorex gymnurus</i>	One crossing the road on one night at Deramakot.
Sunda colugo	<i>Galeopterus variegatus</i>	A total of 4 seen at Deramakot. An individual being aggressively harried by Wallace's hawk-eagle during the day at Sukau eventually escaped predation.
Large flying fox	<i>Pteropus vampyrus</i>	Deramakot (good numbers) and Danum (1).
Short-nosed fruit bat	<i>Cyanopterus brachyotis</i>	Two at Deramakot.
Acuminate horseshoe bat	<i>Rhinolophus acuminatus</i>	The dark <i>Rhinolophus</i> in the rock overhang by the river at Deramakot was this species.
Trefoil horseshoe bat	<i>Rhinolophus trifoliatius</i>	One of these orange-faced monsters hanging near the track one night at Deramakot.
Diadem roundleaf bat	<i>Hipposideros diadema</i>	We managed to photograph a few at Deramakot where they were quite common.
Bornean slow loris	<i>Nycticebus menagensis</i>	Excellent views of our first two at Deramakot on the first night drive. A few nightly thereafter.
Bornean tarsier	<i>Cephalopachus bancanus borneanus</i>	Brief glimpse for some on the night walk at Sepilok.
Silvered leaf monkey	<i>Trachypithecus cristata</i>	Kinabatangan – both days.
Maroon leaf monkey	<i>Presbytis rubicunda</i>	Only on two days at Deramakot. Troupe seen on the drive into Danum.
Proboscis monkey	<i>Nasalis larvatus</i>	Common on the Kinabatangan on both days.
Long-tailed macaque	<i>Macaca fascicularis</i>	A few encounters at Deramakot and abundant on the Kinabatangan.
Southern pig-tailed macaque	<i>Macaca nemestrina</i>	A few at Sepilok. Also noted at Deramakot, Sukau and Danum.
North Bornean grey gibbon	<i>Hylobates funereus</i>	Heard on the first morning at Sepilok. Several at Deramakot on the morning we dedicated to them. Heard elsewhere.
Northeast Bornean orangutan	<i>Pongo pygmeus morio</i>	Two in the forest at Sepilok. Just three seen at Deramakot and another five at Sukau.
Sunda Pangolin	<i>Manis javanica</i>	One of the highlights of the trip came on the first night when Roy our driver found us one of these superb mammals in the carpark at Sepilok. Incredibly we had another encounter on the second night at Deramakot – only the second ever recorded at this well-worked site!
Pale giant squirrel	<i>Ratufa affinis</i>	Two at Deramakot.
Prevost's squirrel	<i>Callosciurus prevostii pluto</i>	Scattered records.
Plantain squirrel	<i>Callosciurus notatus</i>	Just one at Deramakot.
Thomas' flying squirrel	<i>Aeromys thomasi</i>	Two or three on our first night drive at Deramakot. By far the commonest flying squirrel at Deramakot where numbers were seen every night.

Red giant flying squirrel	<i>Petaurista petaurista</i>	First seen at dusk on our first day (Sepilok). Very common at Deramakot. A few at Danum.
Black giant flying squirrel	<i>Aeromys tephromelas</i>	Just one at Deramakot.
Temminck's flying squirrel	<i>Petinomys seturus</i>	One for Phil on the first night at Sepilok in the resort grounds. One seen well at Deramakot, others seen gliding about. Plague proportions of this rarely-recorded species this year apparently.
Dark-tailed tree rat	<i>Niviventer cremoriventer</i>	Common on the Kinabatangan.
Ranee mouse sp.	<i>Haeromys</i> sp.	Deramakot. The two species are hard to separate and probably need lumping. Mice frequently seen on the thermal scopes were doubtless this genus.
East Asian porcupine	<i>Hystrix brachyura</i>	Two together on the last night at Danum.
Sun bear	<i>Helarctos malayanus</i>	One on the last drive at Deramakot.
Malay civet	<i>Viverra zangalunga</i>	Common at Deramakot.
Small-toothed palm civet	<i>Arctogalidia trivirgata</i>	Common at Deramakot, seen on every night drive, usually several.
Philippine palm civet	<i>Paradozurus philippinensis</i>	First seen at Sepilok. Common at Deramakot, seen on every night drive, usually several. Also noted on the Kinabatangan and at Danum.
Binturong	<i>Arctictis binturong</i>	One or two most nights at Deramakot.
Banded civet	<i>Hemigalus derbyanus</i>	One seen quite well at Deramakot. Another at Sukau.
[Otter-civet]	<i>Cynogale bennetti</i>	Tracks at Deramakot.
Sunda clouded leopard	<i>Neofelis nebulosa</i>	One interrupted stalking a long-tailed macaque on our last night session on the Kinabatangan.
Sunda leopard cat	<i>Prionailurus javanensis</i>	Deramakot – many excellent views of this lovely little cat. Just one at Danum.
Bornean elephant	<i>Elephas maximus borneensis</i>	Two seen during the day at Deramakot. A large bull on our first night on the Kinabatangan. The amazing spectacle of 70+ feeding in amongst the heavy plant knocking down an oil palm plantation on the Kinabatangan was a trip highlight.
Lesser chevrotain	<i>Tragulus javanicus</i>	Two seen well at Sepilok. Another two at Deramakot. A fair few at Danum. A quick rebound from the Covid hunting pressure this species experienced.
Bornean yellow muntjac	<i>Muntiacus aetherodes</i>	Two on the early morning drive out of Danum on our last morning.
Sambar	<i>Cervus unicolor</i>	A scatter of records at Deramakot. Surprisingly scarce.
[Banteng]	<i>Bos javanicus</i>	Tracks and 'cow pats' after rain at Deramakot on one night.

Systematic List 2 – BIRDS

We were concentrating on mammals and out a lot at night so the bird sightings are largely incidental.

Oriental darter	<i>Anhinga melanogaster</i>	Deramakot and Sukau.
Malay night-heron	<i>Gorsachius melanolophus</i>	One immature on the drive into Danum was a recent arrival or passage bird. A good record on Borneo.
Grey heron	<i>Ardea cinerea</i>	One near Sukau.
Purple heron	<i>Ardea purpurea</i>	Sukau.
Little heron	<i>Butorides striatus</i>	Sukau.
Cattle egret	<i>Bubulcus ibis</i>	Throughout.
Little egret	<i>Egretta garzetta</i>	Scattered singles.
Great egret	<i>Casmerodius albus</i>	Sukau.
Rufous night heron	<i>Nycticorax caledonicus</i>	One roosting outside our restaurant at Lahad Datu.
Black-crowned night heron	<i>Nycticorax nycticorax</i>	Sukau and Lahad Datu.
Lesser adjutant	<i>Leptoptilos javanicus</i>	Two on the Kinabatangan.
Storm's Stork	<i>Ciconia stormi</i>	Small numbers at Sukau.
Brahminy kite	<i>Haliastur indus</i>	One at Sandakan airport.
White-bellied sea eagle	<i>Haliaeetus leucogastor</i>	Sukau.
Crested serpent eagle	<i>Spilornis cheela</i>	Widespread, seen almost daily and nightly.
Black eagle	<i>Ictinaetus malayensis</i>	Single at Deramakot.
Changeable hawk-eagle	<i>Nisaetus limnaeetus</i>	Deramakot and Danum.
Wallace's hawk-eagle	<i>Spizaetus nanus</i>	Sukau.
White-fronted falconet	<i>Microhierax latifrons</i>	Single at Danum.
[Sabah partridge]	<i>Tropidoperdix graydoni</i>	Heard at Sukau.
Bornean crested fireback	<i>Lophura ignita</i>	Three at Deramakot on the last day. A male at DVFC.
Great argus	<i>Argusianus argus</i>	Heard frequently. A female at Danum on the road in the rain.
White-breasted waterhen	<i>Amaurornis phoenicurus</i>	Sukau and in transit on roadside wetlands.
White-winged tern	<i>Chlidonias leucopterus</i>	Just one on the Kinabatangan, from the jetty on arrival.
Green imperial pigeon	<i>Ducula aenea</i>	Common at Sukau. Also at Danum in small numbers.
Rock pigeon	<i>Columba livia</i>	Towns.
Spotted dove	<i>Streptopelia chinensis</i>	Villages, palm oil plantations etc.
Zebra dove	<i>Geopelia striata</i>	Lahad Datu.
Emerald dove	<i>Chalcophaps indica</i>	A single at Deramakot. One at Sukau.
Long-tailed parakeet	<i>Psittacula longicauda</i>	Danum.
Blue-crowned hanging parrot	<i>Loriculus galgulus</i>	Common throughout but never seen perched.
Raffle's malkoha	<i>Phaenicophaeus chlorophaeus</i>	Deramakot and Danum
Black-bellied malkoha	<i>Phaenicophaeus diardii</i>	One at Danum.
Greater coucal	<i>Centropus sinensis</i>	Deramakot.

Oriental bay owl	<i>Phodilus badius</i>	Two on a side channel of the Kinabatangan on separate nights. Another behind the lodge at Sukau. Others heard. A trip highlight.
Barred eagle owl	<i>Bubo sumatranus</i>	Just one at Deramakot this year.
Buffy fish owl	<i>Ketupa ketupu</i>	Seen nearly every night.
Brown wood owl	<i>Strix leptogrammica</i>	One from the boat at Sukau.
[Sunda scops owl]	<i>Otus lempiji</i>	Heard on the Kinabatangan leg.
Large frogmouth	<i>Batrachostomus auritus</i>	Heard every night on the Kinabatangan. One seen well behind the lodge at Sukau.
Nest swiftlets	<i>Collocalia</i> sp.	Sepilok and Sukau.
Glossy swiftlet	<i>Collocalia esculenta</i>	Widespread.
Brown-backed needletail	<i>Hirundapus giganteus</i>	One at the lodge at Sepilok. Another at Danum.
Silver-rumped swift	<i>Raphidura leucopygialis</i>	Forest sites throughout.
Whiskered treeswift	<i>Hemiprocne comata</i>	Common at Deramakot and Danum.
Grey-rumped treeswift	<i>Hemiprocne longipennis</i>	Deramakot.
Common kingfisher	<i>Alcedo atthis</i>	Sukau.
Blue-eared kingfisher	<i>Alcedo meninting</i>	Deramakot and Sukau.
Stork-billed kingfisher	<i>Pelargopsis capensis</i>	Sukau.
Collared kingfisher	<i>Todirhamphus chloris</i>	A few in the oil palms at Sukau.
Blue-throated bee-eater	<i>Merops viridis</i>	Widespread.
Red-bearded bee-eater	<i>Nyctyornis amictus</i>	One at Deramakot.
Dollarbird	<i>Eurystomus orientalis</i>	Sukau.
Bushy-crested hornbill	<i>Anorrhinus galeritus</i>	Deramakot and Sukau.
White-crowned hornbill	<i>Aceros comatus</i>	Heard at Sepilok and Deramakot. One on the first boat trip at Sukau.
Wrinkled hornbill	<i>Aceros corrugatus</i>	Common at Sukau.
Wreathed hornbill	<i>Aceros undulatus</i>	Singles and pairs seen occasionally at Deramakot.
Asian black hornbill	<i>Anthracoceros malayanus</i>	Widespread.
Oriental pied hornbill	<i>Anthracoceros albirostris</i>	Common at Sukau.
Rhinoceros hornbill	<i>Buceros rhinoceros</i>	Heard at Sepilok and Danum. First seen at Deramakot and a few at Sukau.
[Helmeted hornbill]	<i>Buceros vigil</i>	Heard at Deramakot and Danum – an unfortunate miss but we were mostly nocturnal this year.
[Red-throated barbet]	<i>Megalaima mystacophanus</i>	Heard at Deramakot.
Black-eared barbet	<i>Psilopogon duvaucelli</i>	Sukau.
Banded woodpecker	<i>Chrysophlegma mineaceus</i>	One at Sepilok.
Buff-rumped woodpecker	<i>Meiglyptes tristis</i>	One at Deramakot.
White-bellied woodpecker	<i>Dryocopus javensis</i>	Pair at Danum.
Great slaty woodpecker	<i>Mulleripicus pulverulentus</i>	Four together at Danum.
Dusky broadbill	<i>Corydon sumatranus</i>	A single male at Danum showed well.
Black-and-red broadbill	<i>Cymbirhynchus macrorhynchos</i>	Roosting birds at night at Deramakot.
Black-and-yellow broadbill	<i>Eurylaimus ochromalus</i>	Heard at Sepilok, Sukau and seen well at Deramakot.
[Black-crowned pitta]	<i>Erythropitta ussherii</i>	Heard at Deramakot and Danum.

[Hooded pitta]	<i>Pitta sordida</i>	Heard at Sepilok.
Pacific swallow	<i>Hirundo tahitica</i>	Widespread – seen daily.
Bar-bellied cuckooshrike	<i>Coracina striata</i>	Danum.
Scarlet minivet	<i>Pericrocotus flammeus</i>	Deramakot.
Dark-throated oriole	<i>Oriolus xanthonotus</i>	Danum.
Black-headed bulbul	<i>Pycnonotus atriceps</i>	Deramakot.
Cream-vented bulbul	<i>Pycnonotus simplex</i>	Sepilok.
Yellow-vented bulbul	<i>Pycnonotus goiavier</i>	throughout
Hairy-backed bulbul	<i>Tricholestes criniger</i>	Sepilok and Deramakot.
Bronzed drongo	<i>Dicrurus aeneus</i>	Widespread.
Lesser green leafbird	<i>Chloropsis cyanopogon</i>	Danum.
Asian fairy bluebird	<i>Irena puella</i>	Frequent at Deramakot.
Slender-billed crow	<i>Corvus enca</i>	Deramakot and Sukau.
Bornean bristlehead	<i>Pityriasis gymnocephala</i>	A nice flock of perhaps seven individuals on our morning session at Deramakot. A trip highlight on a quiet tour for birds.
Fluffy-backed tit-babbler	<i>Macronus ptilosus</i>	One at night at Danum.
Bold-striped tit-babbler	<i>Mixornis bornensis</i>	Danum.
Magpie robin	<i>Copsychus saularis</i>	Widespread.
White-crowned shama	<i>Copsychus stricklandi</i>	Throughout.
Chestnut-naped forktail	<i>Enicurus ruficapillus</i>	Two at Deramakot.
White-crowned forktail	<i>Enicurus leschenaulti</i>	Deramakot and Danum.
Ashy tailorbird	<i>Orthotomus ruficeps</i>	Deramakot.
Yellow-bellied prinia	<i>Prinia flaviventris</i>	Deramakot.
Asian brown flycatcher	<i>Muscicapa dauurica</i>	Several at night at Deramakot and occasionally spotted in the day too.
Malaysian blue flycatcher	<i>Cyornis turcosus</i>	Pairs at Deramakot and Sukau.
Malaysian pied fantail	<i>Rhipidura javanica</i>	Scattered.
Black-naped monarch	<i>Hypothymis azurea</i>	Deramakot.
[Asian paradise flycatcher]	<i>Terpsiphone paradisi</i>	Heard at Deramakot.
White-breasted woodswallow	<i>Artamus leucorhynchus</i>	Sukau.
Long-tailed shrike	<i>Lanius schach</i>	A few in transit.
Brown-throated sunbird	<i>Anthreptes malacensis</i>	Sepilok.
Crimson sunbird	<i>Aethopyga siparaja</i>	Sepilok.
Streaky-breasted spiderhunter	<i>Arachnothera affinis</i>	Deramakot.
Little spiderhunter	<i>Arachnothera longirostra</i>	Danum.
Long-billed spiderhunter	<i>Arachnothera robusta</i>	Danum.
Grey wagtail	<i>Motacilla cinerea</i>	One at Deramakot.
Asian glossy starling	<i>Aplonis panayensis</i>	Sukau.
Javan myna	<i>Acridotheres javanicus</i>	Habitation and wider countryside everywhere.
Hill myna	<i>Gracula religiosa</i>	Danum.
Orange-bellied flowerpecker	<i>Dicaeum trigonostigma</i>	Sepilok.
Yellow-rumped flowerpecker	<i>Prionochilus xanthopygius</i>	Deramakot.
Tree sparrow	<i>Passer montanus</i>	Widespread.
Dusky munia	<i>Lonchura fuscans</i>	Common in grassy areas.

Chestnut munia

Lonchura atricapilla

A few between Deramakot and Sukau.

Systematic List 3 – REPTILES

Estuarine crocodile	<i>Crocodylus porosus</i>	One in the Kinabatangan at Deramakot. At Sukau we did not see many but they were all 2-metre plus individuals.
Green crested lizard	<i>Bronchocela cristatella</i>	Deramakot.
Asian house gecko	<i>Hemidactylus frenatus</i>	Abundant nocturnal hunter in lodges.
Common water monitor	<i>Varanus salvator</i>	A few at Deramakot, Sukau and Danum.
Red-tailed green ratsnake	<i>Gonyosoma oxycephalum</i>	Deramakot.
Reticulated python	<i>Malayopython reticulatus</i>	Single at Deramakot on the third night.

Systematic List 4 – AMPHIBIANS

Crested toad	<i>Ingerophrynus divergens</i>	One behind the lodge at Sukau.
Paddyfield frog	<i>Fejervarya limnocharis</i>	Deramakot.
Borneo white-lipped frog	<i>Chalcorana raniceps</i>	Sukau.
Bornean narrow-mouthed frog	<i>Microhyla borneensis</i>	One in the forest at Deramakot. Another at Sukau.
Dark-eared tree frog	<i>Polypedates macrotis</i>	Sepilok and Deramakot.
File-eared tree frog	<i>Polypedates ottilophus</i>	Deramakot and Danum.
Harlequin tree frog	<i>Rhacophorus pardalis</i>	Frequent at Deramakot.
Wallace's flying frog	<i>Rhacophorus nigropalmatus</i>	Deramakot and Danum.

Systematic List 5 – ODONATA

^E endemic to island of Borneo.

^E <i>Libellago phaeton</i>	Deramakot.
^E <i>Rhinocypha cucullata</i>	Deramakot.
<i>Dysphaea dimidiata</i>	Deramakot.
<i>Neurobasis longipes</i>	Deramakot.
^E <i>Rhinagrion elopuræ</i>	Deramakot.
<i>Elattoneura analis</i>	Deramakot.
<i>Ceriagrion cerinorubellum</i>	Deramakot.
<i>Pseudagrion cf lalakense?</i>	The undescribed damselfly discovered by Phil in January 2023 at Danum Valley was found again at Deramakot.
<i>Argiocnemis rubescens</i>	Sepilok.
^E <i>Mortonagrion alcyone</i>	Sepilok and Deramakot.
<i>Argiocnemis femina</i>	Widespread.
<i>Xiphiagrion cyanomelas</i>	Deramakot.
<i>Copera vittata</i>	Deramakot.
<i>Ictinogomphus decoratus</i>	Sepilok.
<i>Macrogomphus quadratus</i>	A male disappearing into a bee-eater on the first day at Sepilok. A nice find by Linda and new for Phil!
<i>Tetracanthagyna degorsi</i>	Single male to light at dusk at Deramakot. New for Phil and Deramakot and very rarely-recorded.
<i>Epophthalmia vittigera</i>	Sepilok and Deramakot.
<i>Tetrathemis hyalina</i>	Deramakot.
<i>Agrionoptera insignis</i>	Sepilok and Sukau.
<i>Cratilla lineata</i>	Sukau.
<i>Cratilla metallica</i>	Sukau.
<i>Orthetrum chrysis</i>	Widespread.
<i>Orthetrum glaucum</i>	Widespread.
<i>Orthetrum schneideri</i>	Widespread.
<i>Orthetrum sabina</i>	Sukau.
<i>Orthetrum testaceum</i>	Widespread.
<i>Tyriobapta torrida</i>	Sepilok and Deramakot.
<i>Brachydiplax chalybea</i>	Sepilok and Deramakot.
<i>Acisoma panorpoides</i>	Deramakot.
<i>Neurothemis fluctuans</i>	Widespread in lowland marshes.
<i>Neurothemis ramburii</i>	Widespread.
<i>Neurothemis terminata</i>	Deramakot.
<i>Rhodothemis rufa</i>	Sepilok and Deramakot.
<i>Pseudothemis jorina</i>	Sepilok (a new site for this species). Also Deramakot.
<i>Trithemis aurora</i>	Deramakot.
<i>Trithemis festiva</i>	Deramakot.
<i>Zyxomma petiolatum</i>	Sepilok.
<i>Tholymis tillarga</i>	Sepilok.
<i>Pantala flavescens</i>	widespread.
<i>Hydrobasileus croceus</i>	Deramakot.
<i>Rhyothemis obsolescens</i>	Deramakot.
<i>Rhyothemis phyllis</i>	Sepilok.
<i>Rhyothemis regia</i>	Deramakot.
<i>Rhyothemis triangularis</i>	Sepilok and Deramakot.
<i>Urothemis signata insignata</i>	Sepilok and Deramakot.

Aethriamanta gracilis

Sepilok and Deramakot.