

## SABAH (SEPILOK, KINABATANGAN RIVER & DERAMAKOT)

25<sup>th</sup> MAY – 4<sup>th</sup> JUNE 2016

Richard Webb



Sunda Clouded Leopard (Phil Telfer)

### INTRODUCTION

I first visited Sabah to look for what at the time was simply Clouded Leopard in 2003. Having been gripped off shortly afterwards by Ron Johns who actually saw one on his drive in to Danum Valley I returned for another unsuccessful attempt in 2007 and have also had two extended visits to Way Kambas in Sumatra with the same result. During this period the species has now been split into two species and I have also had three abortive attempts for the mainland form in Thailand!

When news of five species of cat being discovered during camera trapping at Deramakot first emerged (Mohamed et al. 2009) I started planning another trip. After a couple of false starts I finally got there this year, when joined by Phil Telfer and John Wright, and for a couple of days by Paul Carter, we visited Sepilok, Kinabatangan River and Deramakot. It was well worth the wait with **Sunda Clouded Leopard** being seen at close range for almost 10 minutes within our first 20 minutes spotlighting in Deramakot. Better still three nights later we saw the same individual for 45 minutes 14 km from our original sighting. Awesome. The supporting cast was also excellent with several **Western Tarsiers** and two **Sunda Skunks** (Stink Badgers) the other highlights among 40+ species recorded in 11 days!

Richard Webb  
16 June 2016

## LOGISTICS

- **Flights** – Phil and I bypassed Kota Kinabalu this time flying to Kuala Lumpur with Air Malaysia and then onto Sandakan on AirAsia where we met up with John who had flown in from a birding trip to Taiwan.
- **Car hire** – we chose to self-drive rather than using the services of Mike Gordon who Jon Hall and others had used in 2015. This gave us total flexibility and worked well for us but others may prefer to use Mike as it removes some of the challenges that we faced. See the section on Deramakot below for more details. We hired a 4WD (essential) Toyota Hilux at a cost of RM4187 (£750) for 10 days. It did mean the car was sitting around unused for a couple of days while we were at Kinabatangan Jungle Camp but it was more convenient and not much more costly than organising transfers to and from Sandakan. The car was hired from Borneo Rent-A-Car. <http://borneocar.com/car-rental/> They were extremely efficient at pick up and drop off, and Eric Chong, replied quickly to all the emails I sent, and even provided the car registration in advance to enable us to get the entry permits for Deramakot. I would recommend them.
- **Accommodation** –
  1. **Sepilok** –Forest Edge Resort booked through [www.bookings.com](http://www.bookings.com) for £85 for one twin and one single room including breakfast. Dinner was extra.
  2. **Kinabatangan River** – Kinabatangan Jungle Camp. See site details for further details.
  3. **Deramakot** – we booked a very comfortable three-room chalet which would easily sleep five for RM250, £45 per night. Absolutely excellent value. Meals were more expensive. I took a hotplate with me and cooked for myself. The others paid RM120 per day, £22, each for three meals. The cook was prepared to prepare meals at whatever time we wanted, within reason, and provided packed dinners on three nights to enable us to stay out in the field. In addition to the chalets alternative accommodation is available for:
    - RM80 per person per night in a rest house room with air-conditioning.
    - RM40 per person per night in a rest house room without air-conditioning.
    - RM20 per person per night in the hostel.

## REFERENCES

- For previous reports <http://www.mammalwatching.com/Oriental/orientborneo.html> .
- **A Field Guide to the Mammals of Borneo** (Payne, Francis and Phillipps). The older of the two guides but still worth taking as full of useful information although taxonomy is dated.
- **Phillipps' Field Guide to the Mammals of Borneo and Their Ecology** (Phillipps and Phillipps). A very good new guide with up-to-date taxonomy which among other things splits gibbons, lorises and two of the palm civets. Well worth getting but be aware that sadly it is also a frustrating book. Lots of the references quoted in the book are not included in the six-page Selected Bibliography and you need to download a full list of the references from [www.Borneomammals.com](http://www.Borneomammals.com) . I also found several errors and inconsistencies in the first 10 minutes of browsing the book, e.g. on page 294 it states that there are c.100 Sumatran Rhinos remaining on Sumatra but on page 298 says c.40.
- **Records of five Bornean cat species from Deramakot Forest Reserve in Sabah, Malaysia. Cat News 51: 14-17.** Mohamed, A., Samejima, H., & Wilting, A. (2009).
- **Maps** – all printed from googlemaps.

SITES

SEPILOK



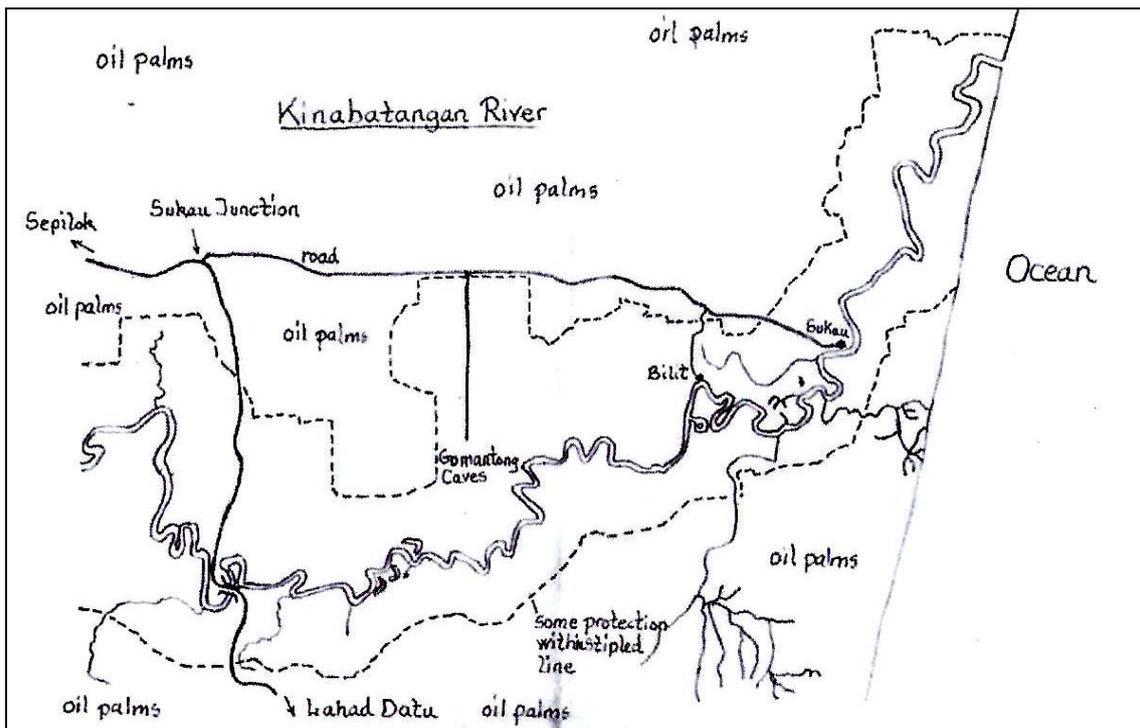
We only spent one night at Sepilok which is c.30 km west of Sandakan but we had a very successful night spotlighting. We stayed at the Forest Edge Resort where we saw both **Prevost's** and **Plaintain Squirrels** in the garden. Phil and John had an unproductive morning walk around the Rainforest Discovery Centre trails and none of us visited the Orangutan Rehabilitation Centre or Sun Bear Centre although Paul Carter did prior to our visit and saw Horse-tailed Squirrel.

The 4-hour night walk with Alex (tel: 01125202776), one of the guides from the Discovery Rainforest Centre, was booked by Paul Carter prior to our arrival and cost RM50 per person. We went around some of the trails at the Rainforest Discovery Centre and saw at least 11 species including c.20 **Large Flying Squirrels**, 3+ **Western Tarsiers**, one **Philippine Slow Loris**, one **Sunda Skunk (Stink Badger)**, two **Bornean Colugos**, **Red Giant** and **Thomas's Flying Squirrels** (Paul also saw a **Black Flying Squirrel** and we saw an unidentified smaller flying squirrel) and our only **Lesser Mousedeer** of the trip.



Western Tarsier (Phil Telfer)

### KINABATANGAN RIVER

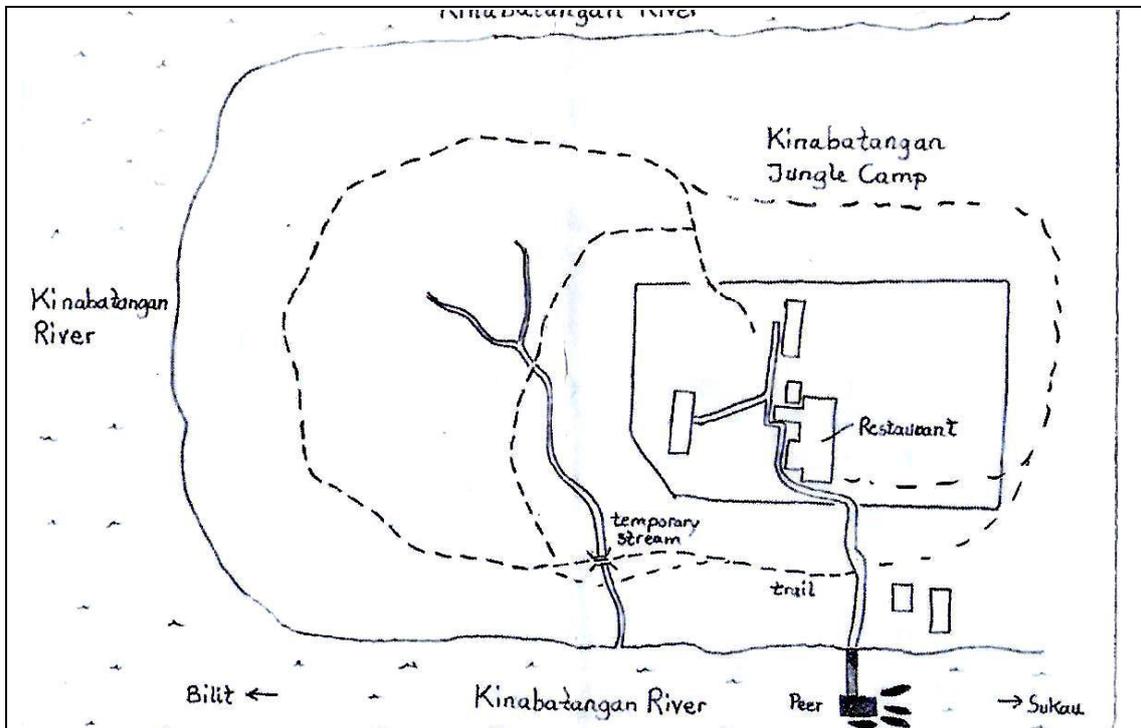


As in 2007 we stayed at Robert Chong's Kinabatangan Jungle Camp (KJC) for two nights although this time we drove to Bilit, which is about 3 hours from Sandakan, and left our car there while we were at the camp. KJC is not cheap, we each paid RM1360 equivalent to £250

for two nights' accommodation and meals, two early morning boat trips, two late afternoon boat trips and two evening spotlighting trips, although we actually blew out the boat trip on the final morning and converted one of the afternoon trips into a longer spotlighting trip. For bookings contact Robert at [labukbb@yahoo.com](mailto:labukbb@yahoo.com)

We spent both nights spotlighting along the main river and the Tenanggang and/or Menanggol tributaries. The former is closest to the camp and we were the only boat spotlighting there on both nights although there were other boats there during the day. The latter is close to numerous other lodges at Sukau so is far more disturbed at night but we did see two **Leopard Cats** here. The only eye-shine we had at Tenanggang appeared to come from a mousedeer. Unfortunately Flat-headed Cat eluded us this time with water levels being quite high at least on the first night. We did see Buffy Fish Owl and hear Large Frogmouth.

During the early morning and late afternoon we spent time along the main river and the Tenanggang tributary seeing **Proboscis Monkeys, Silvered Langur and Long-tailed Macaques**. On my previous trips Bornean Orangutans were common along the river but we have found that each time we visit Kinabatangan the less we see along the river during the day. Three species of otter occur along the river but are generally elusive. Sunda Clouded Leopard is occasionally seen on night cruises and once famously walked through the camp itself in the middle of the day!



During the rest of the day we spent time around the camp itself. The area around the restaurant produced up to three **Bornean Pygmy Squirrels, Prevost's Squirrel, Long-tailed Macaques**, a single **North Borneo Gibbon** and up to eight **Bearded Pigs**, the latter often interacting with the numerous Water Monitors. At night the same area produced **Island Palm Civet** and Malay Civet although we missed the latter.

At least seven **Sheath-tailed Bats** (Greater or Lesser?) were roosting around the rooms to the north of the restaurant and we saw **Spotted-winged Fruit Bat** in the same area at night.

There are also a couple of trails around the camp. The longer one starts halfway between the restaurant and quay. I walked this trail clockwise one morning seeing **Large Treeshrew**, **Prevost's Squirrel**, Brown Wood Owl and a Javanese Rat Snake but not much else. Phil tried spotlighting it briefly one evening but it was unrewarding.

Kinabatangan River is probably still the best place to look for Flat-headed Cat as long as water levels are not too high, and Proboscis Monkey, but other than that most things can easily be seen elsewhere as well.



Bearded Pigs (Richard Webb)

### GOMANTONG CAVES

Gomantong Caves (entry RM30 per person plus RM30 per camera) which lie on route from Sandakan to Sukau (see Kinabatangan map above) are famous for their large colonies of swiftlets and bats and we visited for about 75 minutes one morning. As expected we saw vast numbers of **Wrinkle-lipped Bats** in the main cave although the bats were too high to identify any other species.

The track down to the cave also produced a single **Bornean Orangutan** and at least 12 **Red Langurs** near the start of the trail and three **Plaintain Squirrels** along the trail itself. There is some nice secondary forest along the access road and this could be worth a look if you have the time. I'm not sure whether it would be possible to spotlight this at night.



Red Langur (Richard Webb)



Bornean Orangutan (Richard Webb)

**DERAMAKOT <http://www.deramakot.sabah.gov.my/>**

Deramakot is without doubt my favourite site in Sabah. Free of all the restrictions that apply in so many other reserves it is really refreshing to be allowed to walk and drive around the reserve on your own. We were not even required to take a park guide with us at any time. Although logging still occurs in the reserve it is on a managed basis and given a choice of managed logging and total destruction it's a no-brainer.

When Jon Hall visited in 2015 he chose to book the trip through Adventure Alternative using their excellent guide Mike Gordon but I chose to organise everything myself and to self-drive. Mike obviously knows the area well and if you don't want to organise everything yourself booking a trip through Adventure Alternative obviously makes sense. The advantages of using Mike ([mickeyg2k3@gmail.com](mailto:mickeyg2k3@gmail.com), [aaborneotom@gmail.com](mailto:aaborneotom@gmail.com), [www.aaborneo.com](http://www.aaborneo.com)) are that he knows the area well, takes care of all the bookings, provides a driver and cook, and deals with issues such as the lack of fuel in the reserve. We met Mike a couple of times while we were there and he was very helpful.

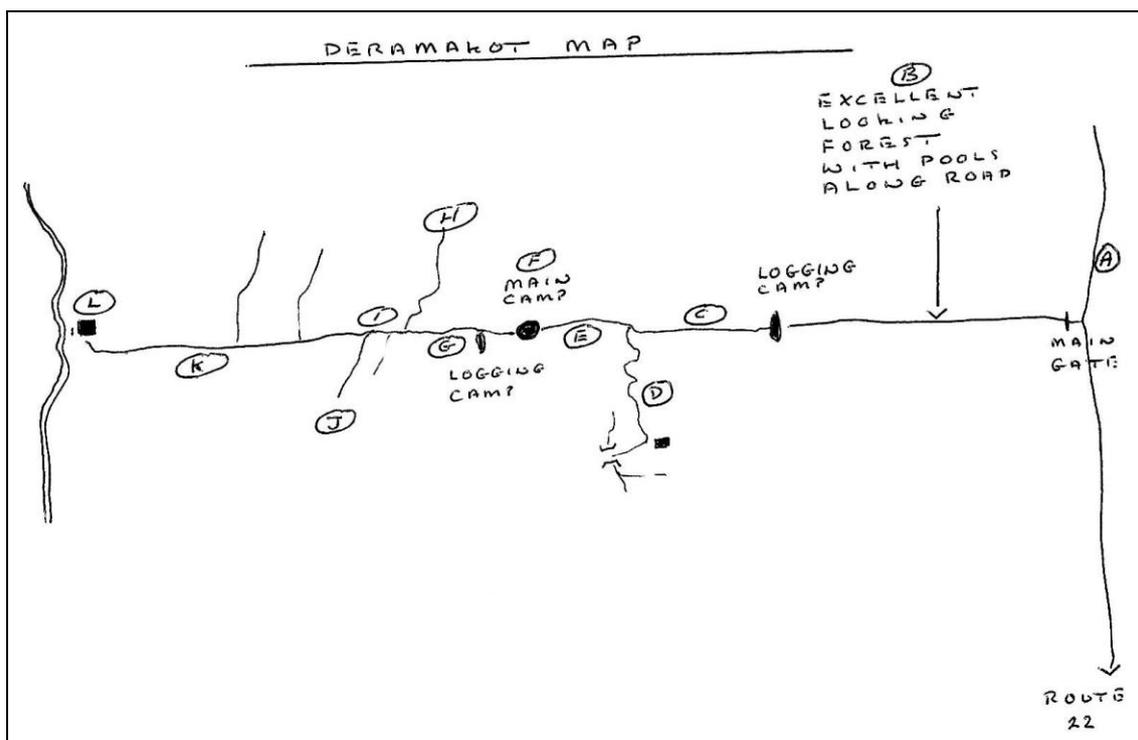
Deramakot is 173 km from Sandakan and the journey takes roughly 4 hours. Take route 22 west for c.105 km. The turn for Deramakot is c.22 km east of Telupid and just after a number of shops on the left and is signposted. From route 22 it is 26 km on a dirt road to left hand turn for the main gate but you pass through three other checkpoints first and need a letter of introduction from Deramakot to get past these checkpoints. Even with the letter we had a delay at one of the checkpoints. After c.26 km turn left to pass through the main gate. From here it is roughly 40 km to the main camp and a further 32 km to the river. Between the main gate and the main camp there is a logging camp where you will need to use 4WD in wet weather as the logging lorries leave deep muddy ruts.

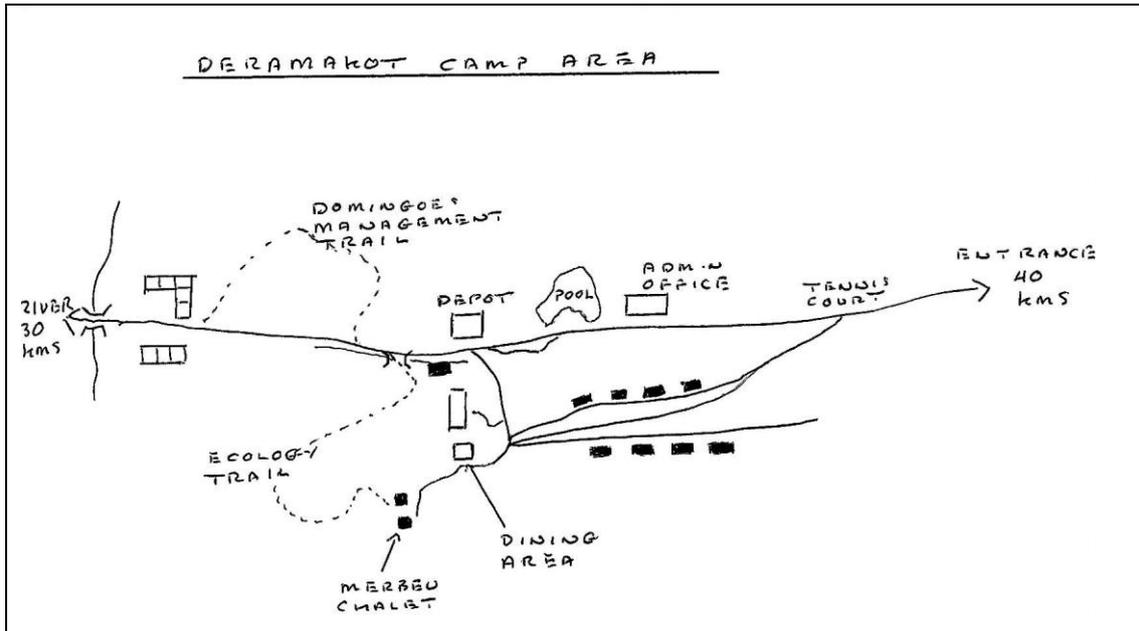
You cannot buy fuel at the reserve so we had to take extra fuel with us and go back out to the nearest town Telupid for further fuel. If you do self-drive and are staying for 5 days or more make sure you take at least 80 extra litres of fuel with you. I would also get the fuel from one of the service stations at the junction of routes 13 and 22, 50 km west of Sandakan as some of the diesel from Telupid contained water and we lost one night's spotlighting as a result although in hindsight we were probably over cautious.

I booked everything through Johnny Kissing [johnny.kissing@sabah.gov.my](mailto:johnny.kissing@sabah.gov.my) and Musrin Kasan [musrin.kasan@gmail.com](mailto:musrin.kasan@gmail.com) at Deramakot. Both were very efficient and generally responded to all emails quickly. We paid accommodation costs RM250 per night for the chalet, entry fees of RM15 per person per day and RM100 for the vehicle in advance but meals were paid for at the end of the trip. We were not charged any camera fees. It is possible to book a boat trip on the river, hire a 4WD vehicle or guides. Details of the other fees are set out below. Total cost for the seven days for car hire and fuel, accommodation, entry fees etc. but excluding food was RM1800 (£325) per person. Food was RM840 (£155 per person).

Other than groups being led by Mike Gordon and a Discovery Channel Film Crew on our first two nights we were the only visitors during our time on the reserve however the weeks before and after our visits were fully booked and it is worth checking who else is visiting when you book as the week after there was a large party of off-roaders visiting the reserve which would obviously have caused massive disturbance. We were also told that the reserve gets very busy in August.

	Malaysians	Non-Malaysians
<b>1) Entrance fees to other Forest Areas Recreation Forests/Permit to enter Forest Reserve</b>	RM 5.00/per day (Adult) RM 3.00/per day (Children below 18 years)	RM 15.00/per day (Adult) RM 7.00/per day (Children below 18 years)
<b>2) Filming, Photography and Video Fees</b>		
a) Camera for professional and commercial use	delete	delete
b) Video camera for professional and commercial use	delete	delete
c) Filming Equipment	RM 1,000.00/per day /forest reserve	RM 3,000.00/per day /forest reserve
d) Personal video camera	delete	
e) Personal camera	delete	
<b>3) Other services</b>		
a) Boat rental for each trip	RM 250.00/per hour (200hp-400hp) RM 200.00/per hour (200hp and below)	
b) Private & non-commercial boat	delete	
c) Private and non-commercial vehicle	RM 100.00/unit/trip	
d) 4 wheel drive 4x4	RM 800.00/per day & includes driver and gasoline	
e) Chalet	RM 250.00/per night	
f) Rest house with air-conditioner	RM 80.00/per night/per person	
g) Rest house (no air-conditioner)	RM 40.00/ per night/per person	
h) Hostel	RM 20.00/per night/per person	
i) Tourist guide	RM 50.00 /1 guide /5 per persons /per day	RM 100.00 /1 guide/ 5 per persons /per day
j) Camping ground	RM 5.00/per person/per day	RM 10.00/per person/per day





**Specific areas on the maps.**

- A We didn't visit this area but from talking to park staff, cats are sometimes seen around the oil palm plantations just outside the forest. This is consistent with what happens at Tabin so it would probably be worth further investigation although notify the park staff first if you do intend spotlighting as they do carry out anti-poaching patrols here.
- B Excellent looking forest along a 22 km stretch between the main gate and the first logging camp with a series of pools. The track is at its widest here increasing the chances of seeing cats on the road. Sunda Clouded Leopard was seen along this section twice (two different animals) in the month prior to our visit. We spent far too little time in this area and probably missed an opportunity in this largely under-watched area.
- C An 11 km stretch between the logging camp and the White House turn. Good forest where we saw **Leopard Cat, Island Palm Civet, Philippine Slow Loris** and a probable **Binturong**.
- D A side turn that runs for c.8 km down to a swamp and river at the White House. Peter Lagan at the administration centre recommended this road but other than **Bornean Pygmy Elephants** we saw very little on a short visit one evening. The road can be very slippery after rain and we were advised to avoid the area in wet conditions.
- E The 7 km section between the White House junction and the main camp was very productive with our first **Sunda Clouded Leopard, Yellow-throated Marten, Island Palm** and **Bornean Striped Palm Civets, Malay Civets**, presumed **Greater Mousedeer, Sambar, Philippine Slow Loris** and **flying squirrels**. The Discovery Channel Film Crew saw an Otter Civet here the day before we arrived.
- F The area around the main camp was quite productive with:
  - **Sambar, Greater Mousedeer** and **Bornean Yellow Muntjac** around the camp itself.
  - **Malay Civet** and **Plain (Large-footed) Treeshrew** coming to bait at the back of our chalet, Merbeu. We also heard something larger crashing around one evening.
  - **Western Tarsier, Bornean Orangutan, Bornean Yellow Muntjac, Lesser Treeshrew and Prevost's and Plain Squirrels** along the Ecology Trail.
  - **North Borneo Gibbon** along the Domingos Management Trail.
  - **Bornean Striped Palm Civet, Thomas's Flying Squirrel** and a possible **Horsfield's Flying Squirrel** along the road near the Ecology Trail.

- G We spent far too much time on the 5 km stretch after the second logging camp (where Marbled Cat has been seen previously) and could have spent the time more productively elsewhere. However we still managed to see **Leopard Cat, Malay Civet, Binturong, Bornean Colugo** and **Black** and numerous **Thomas's** and **Red Giant Flying Squirrels** along this stretch.
- H Roughly 7 km after main camp an excellent track heads off on the right hand side of the road. We only 'discovered' this 5 days into our stay after advice from Peter Lagan who said it runs for some kilometres to an area where Banteng occur. We only covered the first 3 km of the track but it was covered in mammal tracks. A stream runs alongside this track and looks like a suitable area for Flat-headed Cat. There also appeared to be a salt lick alongside the stream. Unfortunately we were unable to spotlight the road as the night we tried turned wet and this track becomes very muddy and difficult in wet weather. Walking it during the day did produce our only **Ear-spot** and **Low's Squirrels** and **Large Treeshrew** at Deramakot. Definitely worth exploring if dry.
- I The section from km 7 to km 10 produced several cracking mammals including the second extended sighting of **Sunda Clouded Leopard, Sunda Skunk (Stink Badger), Malay Civet, Bornean Yellow Muntjac, Philippine Slow Loris** and several **flying squirrels**. We also saw **Red Langurs** here.
- J c.10 km after main camp there is a walkable track on the left marked Picos Trail. We didn't walk this track but according to Musrin and Peter Lagan this is sometimes a good track for Banteng.
- K The area from 18-26 km from the main camp passes a couple more logging tracks on the right and there is a salt lick away from the road but close to km 26. This section was good for **Bearded Pigs** and **Sambar** and we also had **Island Palm Civet** and **Leopard Cat**.
- L The road eventually ends at km 32 by the Kinabatangan River. We saw 50+ **Long-tailed Macaques** here and it is possible to do boat trips to look for Proboscis Monkey, Silvered Langur and otters, all three species have been recorded at Deramakot. We did see a boat with hunters and their dogs on the river here at dawn.



Bornean Pygmy Elephant (Phil Telfer)

**ITINERARY**

- 25<sup>th</sup> • Arrived at Sandakan at 1615 and drove to Forest Edge Lodge at Sepilok. Evening spotlighting at Sepilok along Rainforest Discovery Centre trails.
- 26<sup>th</sup> • Morning Sepilok. Transfer to Kinabatangan Jungle Camp. Late afternoon and post-dinner spotlighting on the main river and one of the tributaries.
- 27<sup>th</sup> • Early morning boat trip and then walked main trail at camp. Long post-dinner spotlighting session on two tributaries of main river.
- 28<sup>th</sup> • Early departure from KJC. Short mid-morning visit to Gomantong Caves and then transferred to Deramakot arriving late afternoon after meeting Paul on route. Post-dinner spotlighting until 0045 on 29<sup>th</sup>.
- 29<sup>th</sup> • Early morning drive from 0600-0900. Late afternoon and evening spotlighting including White House side road from 1630-2345.
- 30<sup>th</sup> • 0645-0920 drive from camp to main gate and then onto nearest town for fuel returning to camp at 1345. Evening spotlighting session.
- 31<sup>st</sup> • Pre-dawn spotlighting and post-dawn drive towards main gate from 0300-0800. Drove to river from 1530 remaining at river until 1830. Long spotlighting session from 1845-0245 on 1<sup>st</sup> was extremely productive after heavy afternoon rain.
- 1<sup>st</sup> • Lie in after late spotlighting session and spent day in and around camp including nearby trails. Headed out for spotlighting session towards main gate at 2000 but heavy rain set in by 2145 and we finally gave up at 2335.
- 2<sup>nd</sup> • Out spotlighting down to river from 0330 arriving 0530. Slow drive back to camp arriving at 0900. Pre-dusk drive curtailed by car problems which also scuppered the evening spotlighting session. Spotlit on foot as far as logging camp from 2210-0030.
- 3<sup>rd</sup> • Spent morning around camp while car problem fixed. Drove out to side road c.7 km from camp before spotlighting from 1830 but evening spotlighting session curtailed at 2015 after persistent rain.
- 4<sup>th</sup> • Pre-dawn spotlighting session from 0230 returning to camp at 0615. Left camp at 0945 for drive back to Sandakan.

**MAMMALS**

- Nomenclature follows **Phillipps' Field Guide to the Mammals of Borneo and Their Ecology** (Phillipps and Phillipps, 2016)
- KJC = Kinabatangan Jungle Camp.
- All numbers are RW's unless otherwise stated.

<b>Large Flying Fox</b> <i>Pteropus vampyrus</i>	20+ Sepilok
<b>Spotted-winged Fruit Bat</b> <i>Balionycteris maculata</i>	1+ around cabins at KJC at night.
<b>Sheath-tailed Bat sp</b> <i>Emballonura sp.</i>	7+ roosting under verandas of the cabins at Kinabatangan Jungle Camp.
<b>Wrinkle-lipped Bat</b> <i>Tadarida plicata</i>	1000s Gomantong Caves.
<b>Lesser Treeshrew</b> <i>Tupaia minor</i>	Deramakot, singles 29 <sup>th</sup> and 1 <sup>st</sup> .
<b>Plain (Large-footed) Treeshrew</b> <i>Tupaia longipes</i>	One feeding on peanuts outside our chalet at Deramakot on the 4 <sup>th</sup> .
<b>Large Treeshrew</b> <i>Tupaia tana</i>	Singles KJC and Deramakot.

<b>Bornean Colugo</b> <i>Galeopterus borneanus</i>	An adult and juvenile at Sepilok and a single at Deramakot on the 30 <sup>th</sup> .
<b>Western Tarsier</b> <i>Cephalopachus bancanus</i>	Great close range views of at least three while spotlighting at Sepilok. One also seen by Phil and John along the Ecology Trail at Deramakot.
<b>Philippine Slow Loris</b> <i>Nycticebus menagensis</i>	One Sepilok. Deramakot; singles 29 <sup>th</sup> and 2 <sup>nd</sup> , two on the 1 <sup>st</sup> .



Philippine Slow Loris (Phil Telfer)



Proboscis Monkey (Richard Webb)

<b>Red Langur</b> <i>Presbytis rubicunda</i>	12 Gomantong, three Deramakot.
<b>Silvered Langur</b> <i>Presbytis cristata</i>	10+ Kinabatangan River.
<b>Proboscis Monkey</b> <i>Naalis larvatus</i>	Kinabatangan River, common 26 <sup>th</sup> , two on 27 <sup>th</sup> .
<b>Long-tailed Macaque</b> <i>Macaca fascicularis</i>	Common Kinabatangan River. Deramakot 50+ by the river on the 2 <sup>nd</sup> .
<b>(Sunda) Pig-tailed Macaque</b> <i>Macaca nemestrina</i>	Three seen on the road to Deramakot and a singleton seen by John at Deramakot.
<b>Bornean Orangutan</b> <i>Pongo pygmaeus</i>	Singles Gomantong and Deramakot (Ecology Trail).
<b>North Borneo Gibbon</b> <i>Hylobates funereus</i>	Singles KJC and along the Domingos Management Trail at Deramakot. Heard at Deramakot on two further days and 3+ seen by Phil on two days.
<b>Prevost's Squirrel</b> <i>Callosciurus prevostii</i>	Sepilok, singles at Rainforest Discovery Centre Trails and at Forest Edge Lodge. KJC, daily counts of two, three and one. Deramakot, two on the 29 <sup>th</sup> and one on the 1 <sup>st</sup> .
<b>Low's Squirrel</b> <i>Sundasciurus lowi</i>	Two along a side road at Deramakot.
<b>Plantain Squirrel</b> <i>Callosciurus notatus</i>	One Forest Edge Lodge, Sepilok, 3+ Gomantong, and singles at Deramakot on 29 <sup>th</sup> and 1 <sup>st</sup> .
<b>Ear-spot Squirrel</b> <i>Callosciurus adamsi</i>	One along a side road at Deramakot.
<b>Bornean Pygmy Squirrel</b> <i>Exilisciurus exilis</i>	KJC, one on the 26 <sup>th</sup> and three on the 27 <sup>th</sup> .
<b>[Horsfield's Flying Squirrel]</b> <i>Iomys horsfieldi</i>	Deramakot, a possible seen while spotlighting on foot close to the camp on the 2 <sup>nd</sup> was just at the edge of the spotlight range so not conclusively identified.

<b>Black Flying Squirrel</b> <i>Aeromys tehromelas</i>	One at Deramakot on the 3 <sup>rd</sup> . Also one seen by Paul at Sepilok.
<b>Thomas's Flying Squirrel</b> <i>Aeromys thomasi</i>	Two Sepilok. The commonest flying squirrel at Deramakot with up to 5+ per night. Highly variable in appearance with some individuals appearing considerably shorter and darker-tailed than others and general colouration/markings varying.
<b>Red Giant Flying Squirrel</b> <i>Petaurista petaurista</i>	2+ Sepilok. Up to two on three nights at Deramakot.
<b>Flying Squirrel sp</b>	A small flying squirrel was seen briefly at Sepilok.
<b>Large Sunda Tree Mouse</b> <i>Chiropodomys major</i>	Singles seen by both Phil and Paul at Sepilok.
<b>Yellow-throated Marten</b> <i>Martes flavigula</i>	Deramakot, one dashed across the road late afternoon on the 2 <sup>nd</sup> .
<b>Sunda Skunk (Stink Badger)</b> <i>Mydaus javanensis</i>	Singles briefly at Sepilok and Deramakot.



Bornean Striped Palm Civet (Richard Webb)



Bornean Striped Palm Civet (Phil Telfer)

<b>Bornean Striped Palm Civet</b> <i>Arctogalidia stigmatica</i>	Deramakot. Singles on the 28 <sup>th</sup> , 1 <sup>st</sup> and 2 <sup>nd</sup> . Split from <i>A. trivirgata</i> .
<b>Island Palm Civet</b> <i>Paradoxorus philippinensis</i>	One KJC. Deramakot; 28 <sup>th</sup> (1), 31 <sup>st</sup> (2), 1 <sup>st</sup> (1) and 2 <sup>nd</sup> (2). Split from <i>P. hermaphroditus</i> .
<b>Malay Civet</b> <i>Viverra zangalunga</i>	Deramakot: 28 <sup>th</sup> (1), 1 <sup>st</sup> (2, Phil), 2 <sup>nd</sup> (1) and 4 <sup>th</sup> (1). One came to bait at the back of the chalet on two nights.
<b>Binturong</b> <i>Arctictis binturong</i>	Deramakot: one in a fruiting tree on the 28 <sup>th</sup> and eye-shine from a probable 2 <sup>nd</sup> distantly on the 1 <sup>st</sup> .

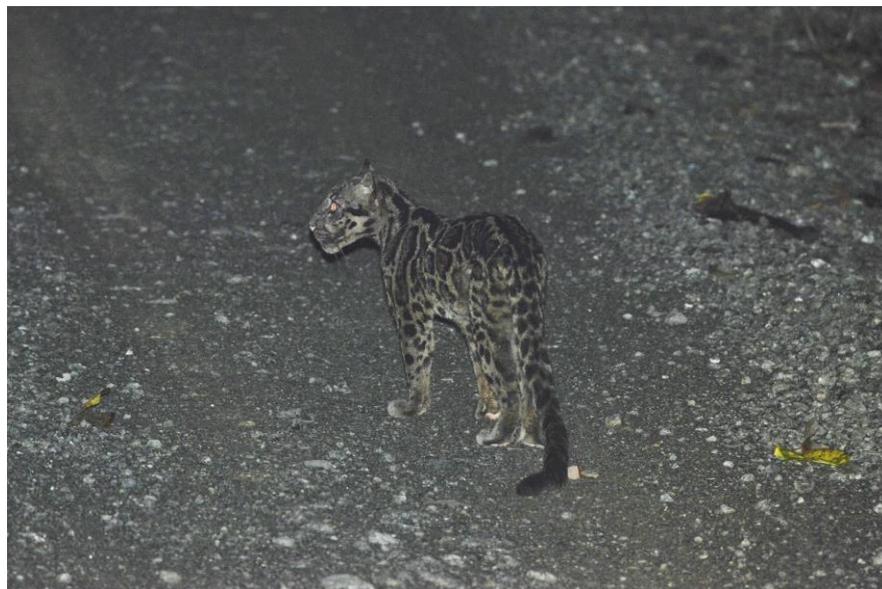


Malay Civet (Phil Telfer)



Leopard Cat (Phil Telfer)

<p><b>Leopard Cat</b> <i>Felis bengalensis</i></p>	<p>Kinabatangan River: One seen well on the second night cruise with a second seen briefly by Phil and John. Deramakot: Singles on the 31<sup>st</sup>, 1<sup>st</sup> (with a probable second), 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup>.</p>
<p><b>Bornean (Sunda) Clouded Leopard</b> <i>Neofelis diardi</i></p>	<p>Deramakot: Outstanding views of a young female for 10 minutes on the 28<sup>th</sup> and for 45 minutes 14 km further along the track on the 31<sup>st</sup>. Unfortunately she was carrying a wound near the left-hand hind-leg and was limping during the second encounter but was totally unfazed by our presence stopping to look up at us as she walked past the car.</p>



Sunda Clouded Leopard (Phil Telfer)

<b>Bornean Pygmy (Asian) Elephant</b> <i>Elaphas borneensis</i>	Deramakot: 28 <sup>th</sup> (14, two groups), 29 <sup>th</sup> (9, two additional groups), 31 <sup>st</sup> (1), 1 <sup>st</sup> (1) and 2 <sup>nd</sup> (1).
<b>Bearded Pig</b> <i>Sus barbatus</i>	Up to 8 daily at KJC. Deramakot: 31 <sup>st</sup> (11), 2 <sup>nd</sup> (2) and 4 <sup>th</sup> (1).
<b>Lesser Mousedeer</b> <i>Tragulus kanchil</i>	One Sepilok
<b>[Greater Mousedeer]</b> <i>Tragulus napu</i>	Deramakot: unidentified poorly-seen mousedeer seen on four occasions were probably Greater which is the commoner species at Deramakot. A singleton seen along one of the tributaries of the Kinabatangan River was also unidentified.
<b>Sambar Deer</b> <i>Cervus unicolor</i>	Deramakot: 29 <sup>th</sup> (1), 31 <sup>st</sup> (2), 2 <sup>nd</sup> (3), 3 <sup>rd</sup> (2), 4 <sup>th</sup> (2).
<b>Bornean Yellow Muntjac</b> <i>Muntiacus atherodes</i>	Deramakot: One seen briefly on the 29 <sup>th</sup> with another seen by John on the Ecology Trail.

**SELECTED REPTILES/AMPHIBIANS**

- Reticulated Python – One Deramakot.
- Mangrove Cat Snake – One Kinabatangan River.
- Javanese Rat Snake – One KJC.
- Bornean Tree Frog – 5+ Sepilok.
- Water Monitor – 5+ KJC.
- Common Tree Gecko – Widespread



Mangrove Cat Snake



Water Monitor

**SELECTED BIRDS**

- Storm’s Stork.
- Collared Scops, Buffy Fish and Brown Wood Owls.
- Scarlet-rumped and Red-naped Trogons.
- Collared, Rufous-backed and Stork-billed Kingfishers.
- Blue-throated Bee-eater.
- Rhinoceros, Oriental Pied and Bushy-crested Hornbills.
- Chestnut-naped Forktail.
- Asian Glossy Starling.