

Borneo's Mammals - Deramakot Forest Reserve

Naturetrek Tour Report

15 - 29 October 2018



Bornean Orangutan by Derek Smith



Moonrat by David Allison



Thomas's Flying Squirrel by David Allison



North Bornean Gibbon by Derek Smith

Report compiled by Tom Mabbett
Images courtesy of Derek Smith, David Allison & Mike Robinson



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Summary

This was a really superb trip with a huge range of mammals and birds encountered. We enjoyed wonderful views of no less than 18 wild Orang-utans across the tour. Other species included many troops of Proboscis Monkey, rather tricky Pygmy Elephants - but we did see them, three civet species, a fantastic Binturong, Leopard Cats, Greater and Lesser Mousedeer, a Moonrat and various squirrels and bats, with many Colugo and Slow Loris sightings to name but a few. Birds were superb along the way with various hornbills, kingfishers, bulbuls, owls, pittas and frogmouths. We had a lot of fun along the way of course, and despite not finding Clouded Leopard on this occasion, it was a most memorable visit to this special island.

Day 1

Monday 15th October

In transit from the UK, via Kuala Lumpur.

Day 2

Tuesday 16th October

We met up at Sandakan airport today in the early afternoon and headed to Sepilok Nature Resort for our first night. We checked in and soon were heading off to the nearby Orang-utan rehabilitation centre in time for the feeding there. We entered and were soon enjoying our first Orang-utans coming to feed. These animals are being helped back towards a life in the wild here and offered food but essentially are roaming free. A Pig-tailed Macaque was also keen to get in on the bananas, stealing a whole bunch. A big male Orang came in and we enjoyed watching him and then wandered around to another viewing area; on the way, we enjoyed an impressive Bornean Keeled Green Pit Viper, a lovely Brown-throated Sunbird and super views of two Brown Broadbill. A Bornean Pygmy Squirrel was also found. After enjoying the Orangs and a few cheeky individuals rolling into us and also urinating over the path(!), we headed to the nearby rainforest discovery centre.

Here we had a look over the lake where Asian Palm Swifts flew, and we enjoyed a Blue-eared Kingfisher in the scope. We headed up onto the boardwalk, where we enjoyed looking through the forest canopy and relaxed looking out for whatever we could find. We had superb close views of Wallace's Hawk-Eagle and, at dusk, had a cracking Red Giant Squirrel flying right over us before landing on a box, giving great views. A Trefoil Horseshoe Bat flew very close to us and landed to Derek's delight and another small male Keeled Pit Viper was found. We finished the activities with a night walk where highlights included a roosting Red-legged Crake and Hooded Pitta and some nice frogs and spiders that we enjoyed trying to identify later. It was well and truly time to get back to base and just a few minutes later we were back, where most of us enjoyed dinner, with others heading straight to bed for some well-earned sleep. Quite an opening afternoon and so much seen already!

Day 3

Wednesday 17th October

Today we had a relaxed start, meeting at 9am to walk the short distance to the Sun Bear rehabilitation centre. Some of us had been up and wandering around the grounds, with Oriental Pied Hornbill, Crimson Sunbird and Blue-throated Bee-eaters some highlights, and many Plantain Squirrel also seen. There were a few Orangs around too with two very close to our rooms and one on Alex's veranda! We walked the short distance to the Sun Bear

sanctuary, noting a Raffles Malkoha on the way, with Dollarbird and Rufous-tailed Tailorbird, while a Prevost's Squirrel was also found. We enjoyed watching around five young Sun Bears rooting around in their enclosures and learning about what happens here and the aims of the project to return these rescued bears to the wild. After enjoying the bears, we wandered back to our rooms to pack and were soon on our way to Sandakan to catch the speedboat for our journey to the Kinabatangan river.

During the hour-and-a-half journey by boat to our lodge, we enjoyed our first Proboscis Monkeys, two Lesser Adjutant and a Collared Kingfisher, before heading straight for lunch on arrival. We had some time to relax and settle in before heading out again for an evening cruise on the river. It was a great first outing with excellent views of a wonderful troop of Proboscis Monkeys, the large dominant male being seen with females and young, all feeding happily. A single Silver Langur was spotted and a Stork-billed Kingfisher was new for us. The highlight, however, was finding our first truly wild Orang-utan. It was a male of around 10 years old and, whilst initially found feeding, we then enjoyed watching him make his nest and go to sleep for the night. It was really special to spend time close to the animal and watch some fascinating behaviour, including wrapping some branches covered in fresh leaves around his neck. Was this for some cover and protection from the impending storm or to eat when he first wakes up? Maybe both, and a true bed and breakfast.

We got back for dinner and, afterwards, went on an excellent night walk along the boardwalk at the lodge. The highlight was finding two Colugu. We had superb views, with the second one very active, climbing up a tree and gliding right over us! A Lesser Mousedeer was also seen very well and the different pitcher plants here were photographed and enjoyed. After a wildlife-packed day, it was time for bed and, as a massive storm broke overhead and our cabins shaking, my thoughts went to the Orang high in his nest with his leaves wrapped around his neck.

Day 4

Thursday 18th October

We went out at 6.15am this morning to explore the river. A Yellow-ringed Cat (also known as Mangrove) Snake was well-spotted near the lodge, and after, a Jerdon's Baza was found, plus two lovely Storm's Storks and another two Orang-utans! We enjoyed these animals having breakfast. Grey-headed Fish Eagles were seen very well, with Black-and-red Broadbill nearby too. We enjoyed two troops of Proboscis Monkeys as we travelled, with a mum seen suckling a very young infant, and also enjoyed very close views of a large male eating leaves just in front of us at eye level. It was great to see the Orang-utan from last night again busily feeding and none the worse for the monster storm, and we spent some time watching him.

We then made out our way to an oxbow lake and, just as we were enjoying tea and coffee, two magnificent Rhinoceros Hornbill flew directly over us, perching for views. Magnificent birds! We then retraced our steps back to base. On our way back and just as we were leaving the lake, two more Orang-utans were found: a mother and mature youngster of around five years old. They too were feeding on fruits, and with five different Orang-utans, it had been quite a morning to enjoy this special species. Before heading for the lodge we stopped at a local house to buy some huge prawns. Len and Mike were keen to have some for lunch but, as it happened, they were never eaten.

We enjoyed breakfast and had some time to relax before lunch and our next outing. Some went for a walk and found Velvet-fronted Nuthatch, Black-naped Monarch and a fly-over Lesser Adjutant, with Bearded Pig around the lodge.

We were soon back on the water again searching for wildlife. We steamed a little further up river this afternoon to where some Elephants had recently been seen, and stopped on the way to enjoy our first Wrinkled Hornbills. Arriving at the area for the Elephants, we sat quietly waiting and listened to the loud trumpeting and guttural noises coming from just behind the tree line, and very close indeed. We waited and waited, and enjoyed a drink as we did so. Eventually there was clear movement and an Elephant could be glimpsed in amongst the tall grasses, but it was difficult. As darkness fell, we got the spotlight out and then had our best view, as an animal walked across a gap where its features could be seen. Persistence paid off. We did a little spotlighting along a small tributary, enjoying a Buffy Fish Owl, before motoring back, spotlighting of course, as we went. On the way back we enjoyed a super Philippine Slow Loris clambering around in a riverside tree. We all had excellent views of this lovely creature and, before getting back, we stopped to enjoy a Flying-fox feeding on flowers above us, and a beautiful, glittering tree, full of Fireflies. Before reaching the lodge, we finally had some great views of a huge Saltwater Crocodile who stayed at the surface long enough for a really good look! After another excellent day, it was time for dinner and bed.

Day 5

Friday 19th October

We headed out again this morning on the river, and the first stop of interest was for a pair of roosting Sunda Frogmouth, and we enjoyed lovely close-up views. Out on the river, the highlight was prolonged, very close views of a feeding Orang-utan. It was really wonderful to spend some time with this animal and, again, so close! It was very close to the boat and at one stage gave some threatening calls to tell us to keep our distance. We did so. A Water Monitor was sleeping in a riverside tree and more Proboscis Monkeys were seen. On the way back we enjoyed views of the tiny Bornean Falconet, the world's smallest raptor, and yet two more Orangs were found. We relaxed during the day, walking the boardwalk at the lodge, enjoying some birding and relaxing, before heading out again.

In the evening we went back out on the river and spent some time with a lovely troop of Proboscis Monkeys. Two Rhinoceros Hornbills showed amazingly well in a dead tree and some more Silver Langurs were found, with a nice white-morph animal. We also enjoyed very close views of a Long-tailed Macaque troop, feeding a few metres from us.

We got back for dinner where Max showed us a young Reticulated Python he had found, and afterwards, we headed back out for a spotlighting session, slowly cruising searching the riverside vegetation. A Striped Palm Civet was high in a tree and yet another large crocodile was enjoyed.

Day 6

Saturday 20th October

Today we had to leave the wonderful Kinabatangan river and travelled upstream to Sukau jetty, with Black Hornbill new for the trip, and another Rhinoceros Hornbill flying over. We drove the short distance to Gomantong Caves and for those wanting to brave the smell, guano and cockroaches, we enjoyed an excellent time exploring this most unusual and fascinating ecosystem. In the cave we saw masses of the Black-nest

Swiftlets, appreciating the great effort that goes in to harvesting the nests for the soup! Many thousands of Wrinkle-lipped Bats were seen and two Diadem Roundleaf Bats were found too, much to the delight of Derek in particular, who was truly in his element in the caves and inspiring us all with his enthusiasm. Exiting the cave, we had three Red Langurs, and on the walk back, had another two Orang-utan over the boardwalk.

We now travelled on to the town of Telupid for lunch, and transferred to our three 4x4 trucks, before making our way to Deramakot Forest Reserve, our base for the next seven nights.

After dinner, and a brief holdup to sort the battery on the truck, we headed out on our first night drive. It had been raining a fair bit this evening but we still managed some super sightings. Two Lesser Mousedeer showed very well, we had excellent views of Thomas's Flying Squirrel and a few Sambar Deer, with two Malay Civets also enjoyed. The highlight, however, was excellent and prolonged views of a Binturong! This wonderful creature also known as the "bearcat" was initially feeding and then stopped to have a little snooze allowing us all to have a perfect view and take some photos. Time ran away with us and we got back at around 1.30am! A long but most rewarding day, ending in style.

Days 7 -12

Sunday 21st – Friday 26th October

For the next six nights we were based at Deramakot, and undertook long, long, night drives with two morning drives also. Around 54 hours in total were spent driving around in a 4x4, searching hard for wildlife. Usually we ate dinner and left base at 5.30 or 6pm, returning at around 1 - 2 am. Due to weather on one evening, we drove from 11pm through to 6am, driving to the Kinabatangan river for the coffee stop and back, and on another occasion we came back for a late dinner, to break up the driving, which was around 7-8 hours per night. In the day time we largely recharged the batteries and caught up on sleep in the heat of the day, with a few walks for those who wished after breakfast and birding around the grounds. Rather than writing an account for each day, repeating many species and the routine, I will summarise the sightings below, covering all the mammals we managed to find and some birding highlights. We tried extremely hard to find Clouded Leopard which was our ultimate target, but unfortunately, were not lucky enough to encounter this elusive cat, but had some wonderful views of many other special species as we searched. I have listed the species encountered during our Deramakot drives below, with descriptions of the sightings and numbers of animals seen in most cases. A full list of mammals, birds and other taxa for the entire tour is included at the end of the report.

Large Flying-fox:

These impressive bats were seen on five different nights, always around the same tree, flying overhead and landing to feed on the nectar from the tree's flowers.

Moonrat:

A single animal was seen on our final night drive running along a wet ditch and everyone enjoyed good views of this striking species.

Bornean Colugu:

One of the star mammals of the trip, this bizarre and fascinating creature was seen on six of our night drives. Seven animals were seen in total with one carrying a tiny red youngster, its head peering from the fold in the

adult's skin. We saw them hanging in their resting position, climbing quickly up trees and also gliding from one tree to the next. Super animals.

Philippine Slow Loris:

This endearing animal was seen on four night drives, with five animals found. We had excellent views and learned that "slow" is a rather poor name for them with one being distinctly rapid!

Red Langur:

On one morning walk three animals were seen in roadside trees.

Long-tailed Macaque:

A troop seen on one morning outing as we stopped to try to watch gibbons.

Pig-tailed Macaque:

Seen on three days, with one male at dusk, lying on a branch.

North Bornean Gibbon:

Gibbons were heard frequently from the lodge and it was wonderful waking to this special sound in the early mornings. They were seen on two morning drives. A single animal seen briefly, and then two animals found, with one showing very well for us, so everyone enjoyed prolonged views.

Bornean Orang-utan:

We had great success with Orang-utan sightings. They were encountered on three days with a total of seven individuals seen. A single animal was seen behind the rooms just down the hill from our chalets, and was watched for a long time stripping bark; it also came down very low, giving superb views. On one drive we left a little earlier and first found an adult female and small youngster, and a short time later found a family group, with the female clutching a very small infant, with a very impressive flanged male nearby. On the final morning one animal was seen in a palm in the lodge grounds, snapping the branches and munching away.

Giant Squirrel:

Single animals were seen on three days around the lodge.

Thomas's Flying Squirrel:

Commonly seen at night and very good views achieved.

Red Giant Flying Squirrel:

Seen just twice on night drives. Larger than Thomas's with a black tip to the tail.

Bornean Striped Palm Civet:

The most common civet encountered. Always high in trees but excellent views. Seen on every night drive.

Island Palm Civet:

Seen on four nights and multiple sightings. Particularly good views of one scent marking.

Malay Civet:

This most striking civet was seen on every night drive and always a treat.

Binturong:

One animal, seen very well. On our first drive we found this super creature high in a fruiting tree. It was on the move initially but then lying on a branch for a snooze, and we all had excellent views.

Short-tailed Mongoose:

Derek saw a single animal crossing the road, while walking.

Leopard Cat:

This beautiful cat was seen on three night drives with single animals found each time. The first was rather brief with the second more prolonged but always running away along the road but we did get excellent views of the last animal as it looked straight at us.

Bearded Pig:

Seen on four days, with very close views behind the main building, coming to veg and bread put out. Also caught on the camera trap eating fruit.

Lesser Mousedeer:

This tiny deer was seen very well on five nights with nine individuals seen. We had some super prolonged views, to study the ID features.

Greater Mousedeer:

We had two very good sightings of this deer and, seeing so many Lesser, it was clear these two were Greater, and it was good to get to grips with the differences: a noticeably larger size and paler coloration as opposed to the more reddish appearance of Lesser.

Sambar:

Seen on every night drive and very numerous. Although usually flighty we did have great views of two bucks near to the lodge. Many animals caught on the camera trap.

Birds: The lodge grounds and roads leading away from camp provided excellent birding opportunities. A fruiting tree outside our chalets held numerous bulbuls, Greater and Lesser Leafbirds, Yellow-rumped Flowerpeckers and the striking Asian Fairy-bluebird, with Little Spiderhunter and Black-and-yellow Broadbill other highlights, and White-crowned Shama regularly seen. Both Blue-throated and the impressive Red-bearded Bee-eater were seen very well on wires around the lodge. At night, Buffy Fish Owl was very common and seen on every outing, with a lovely Barred Eagle-Owl also found, and Large Frogmouth special. Rhinoceros, Black and Wreathed Hornbill were also enjoyed. A highlight on the forest tracks was the number and super views of the striking Whiskered Treeswift. Two fighting male Crested Firebacks was another memorable sighting. Two pairs of the tiny Bornean Falcon were regularly around camp, affording point-blank views, with Crested Serpent Eagle commonly seen. A full bird list is below.

Day 13

Saturday 27th October

Today we had to leave Deramakot. A lovely Orang-utan was in the grounds, and after breakfast, we were away by 9am. We journeyed in the three 4x4s back to Telupid where we changed vehicles and carried on to the town of Kundusang. Here we stopped to have a look around a local market (with a certain group member nipping off for KFC), before the rest of us enjoyed lunch at a nearby restaurant.

We carried on the short distance to the Kinabalu National Park and, after checking in, went for a walk from our rooms up the road a short way. The weather was rather poor with rain and low cloud, so the mountain peaks could not be seen, but we enjoyed a nice walk before dinner, anyhow. Bornean Flowerpecker, Mountain Leaf Warbler, Bornean Whistler and Chestnut-headed Laughingthrush were all enjoyed, with the highlight, however, being finding the delightful Whitehead's Pygmy Squirrel feeding on a tree trunk, with its white ear tufts clear to see. We also found Bornean Black-banded Squirrel and Bornean Mountain Squirrel.

We headed to the nearby restaurant for dinner, where we enjoyed a lovely meal and went through our highlights of the holiday, and had a good laugh, as always, for our final night together. After the lack of sleep experienced at Deramakot, we all had an early night after dinner.

Day 14

Sunday 28th October

Today we were up at 6am and were greeted by a beautiful red sky with the mountain clear to see now. We birded around the rooms and restaurant area and walked again up the road a little, noting some great species. Bornean Green Magpie was killing a caterpillar, a striking Indigo Flycatcher was seen, with Little Pied Flycatcher close by. A Mountain Treeshrew was to be our final new mammal of the holiday and, after a great couple of hours, we headed for breakfast. While waiting for breakfast, we watched from the veranda, and a striking Temminck's Sunbird was seen, along with a superb male Bornean Flowerpecker and Yellow-breasted Warbler.

After breakfast, there was a couple of hours before we needed to leave for the airport, with some visiting the botanical gardens, others continuing to search for wildlife or relaxing at the lodge. We left the wonderful cloud forests of Kinabalu all too soon, and had a very smooth and traffic-free journey to the airport. We had a smooth flight to Kuala Lumpur where we said our farewells to Mike and boarded our flight to London.

Day 15

Monday 29th October

We landed into London Heathrow in the early hours this morning and said our farewells, after a most action-packed, wildlife-filled tour. I would once again like to thank everyone in the group for your great spirit, passion for finding wildlife, determination and great company throughout. As I feel is always important, we all had a lot of fun and laughter throughout. Until next time!

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Species Lists

Mammals (✓=recorded but not counted; h = heard only; s = signs of; c = estimated)

	E = Endemic		October												
	Common name	Scientific name	16	17	18	19	20	21	22	23	24	25	26	27	28
1	Large Flying-fox	<i>Pteropus vampyrus</i>			✓		✓		✓	✓	✓		✓		
2	Sunda Short-nosed Fruit Bat	<i>Cyanopterus brachyotis</i>	✓												
3	Trefoil Horseshoe Bat	<i>Rhinolophus trifolius</i>	✓												
4	Bornean Horseshoe Bat	<i>Rhinolophus borneensis</i>					✓								
5	Creagh's Horseshoe Bat	<i>Rhinolophus creaghi</i>					✓								
6	Lesser Bent-winged Bat	<i>Miniopterus pusillus</i>	✓				✓								
7	Diadem Roundleaf Bat	<i>Hipposideros diadema</i>					✓								
8	Wrinkle-lipped Bat	<i>Tadarida plicata</i>					✓								
9	Moonrat	<i>Echinosorex gymnurus</i>											✓		
10	Plain (Common) Treeshrew	<i>Tupaia longipes</i>		✓											
11	Mountain Treeshrew	<i>Tupaia montana</i>													✓
12	Bornean Colugo E	<i>Galeopterus borneanus</i>		2			1	1	2	1	1		1		
13	Philippine Slow Loris	<i>Nycticebus menagensis</i>			1			2			1	1	1		
14	Red Langur E	<i>Presbytis rubicunda</i>					3		c4						
15	Silvered Langur	<i>Trachypithecus cristatus</i>		1		4	✓								
16	Proboscis Monkey E	<i>Nasalis larvatus</i>		✓	✓	✓	✓								
17	Long-tailed Macaque	<i>Macaca fascicularis</i>		✓	✓	✓	✓			✓					
18	Pig-tailed Macaque	<i>Macaca nemestrina</i>	✓				✓		✓	✓	✓				
19	North Bornean Gibbon E	<i>Hylobates funereus</i>							h	h	1		2		
20	Bornean Orangutan E	<i>Pongo pygmaeus</i>	✓	1	5	3	2	1	5					1	
21	Prevost's Squirrel	<i>Callosciurus prevostii pluto</i>	✓	✓		✓									
22	Plantain Squirrel	<i>Callosciurus notatus</i>	✓	✓	✓	✓	✓								
23	Bornean Black-banded Squirrel E	<i>Callosciurus orestes</i>												✓	
24	Bornean Pygmy Squirrel E	<i>Exilisciurus exilis</i>	✓				✓								
25	Whitehead's Pygmy Squirrel E	<i>Exilisciurus whiteheadi</i>												✓	
26	Giant Squirrel	<i>Ratufa affinis sandakanensis</i>						✓	✓	✓					
27	Bornean Mountain Ground Squirrel E	<i>Dremomys everetti</i>												✓	✓
28	Thomas's Flying Squirrel E	<i>Aeromys thomasi</i>					✓	✓	✓	✓	✓	✓	✓		

	E = Endemic		October													
	Common name	Scientific name	16	17	18	19	20	21	22	23	24	25	26	27	28	
29	Red Giant Flying Squirrel	<i>Petaurista petaurista</i>					✓				✓	✓				
30	Sunda Skunk	<i>Mydaus javanensis</i>											s			
31	Smooth Otter	<i>Lutrogale perspicillata</i>		✓												
32	Bornean Striped Palm Civet E	<i>Arctogalidia stigmatica</i>			✓			✓	✓	✓	✓	✓	✓			
33	Island Palm Civet	<i>Paradoxurus philippinensis</i>						✓		✓	✓	✓				
34	Malay Civet	<i>Viverra zangalunga</i>					✓	✓	✓	✓	✓	✓	✓			
35	Binturong	<i>Arctictis binturong</i>					1									
36	Short-tailed Mongoose	<i>Herpestes brachyurus</i>										✓				
37	Leopard Cat	<i>Prionailurus bengalensis</i>							1		1	1	1			
38	Asian (Bornean Pygmy) Elephant	<i>Elephas maximus</i>			✓											
39	Bearded Pig	<i>Sus barbatus</i>			✓		✓		✓		✓	✓	✓			
40	Lesser Mousedeer	<i>Tragulus kanchil</i>		1	1		2	3	1			1	2			
41	Greater Mousedeer	<i>Tragulus napu</i>								1			1			
42	Sambar	<i>Rusa unicolor</i>					✓	✓	✓	✓	✓	✓	✓			

Birds

1	Crested Fireback	<i>Lophura ignita nobilis</i>					✓							✓	
2	Great Argus	<i>Argusianus argus</i>						h	h	h	h			h	
3	Storm's Stork	<i>Ciconia stormi</i>			✓										
4	Lesser Adjutant	<i>Leptoptilos javanicus</i>		✓											
5	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>			✓										
6	Nankeen Night Heron	<i>Nycticorax caledonicus</i>													✓
7	Striated Heron	<i>Butorides striata</i>			✓	✓	✓							✓	
8	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	Purple Heron	<i>Ardea purpurea</i>			✓		✓								
10	Great Egret	<i>Ardea alba modesta</i>	✓	✓	✓	✓	✓								
11	Intermediate Egret	<i>Ardea intermedia</i>		✓											
12	Little Egret	<i>Egretta garzetta</i>		✓	✓	✓	✓								
13	Oriental Darter	<i>Anhinga melanogaster</i>		✓	✓	✓	✓								
14	Crested Honey Buzzard (Oriental H B)	<i>Pernis ptilorhynchus</i>									✓				
15	Jerdon's Baza	<i>Aviceda jerdoni</i>			✓										
16	Crested Serpent Eagle	<i>Spilornis cheela</i>			✓			✓	✓	✓	✓	✓	✓		

	E = Endemic		October													
	Common name	Scientific name	16	17	18	19	20	21	22	23	24	25	26	27	28	
17	Bat Hawk	<i>Macheiramphus alcinus</i>				✓						✓				
18	Changeable Hawk-Eagle	<i>Nisaetus cirrhatus</i>		✓	✓								✓			
19	Wallace's Hawk-Eagle	<i>Nisaetus nanus</i>	✓													
20	Black Eagle	<i>Ictinaetus malaiensis</i>									✓					
21	Crested Goshawk	<i>Accipiter trivirgatus</i>			✓											
22	Brahminy Kite	<i>Haliastur indus</i>		✓	✓	✓										
23	White-bellied Sea Eagle	<i>Haliaeetus leucogaster</i>		✓			✓									
24	Grey-headed Fish Eagle	<i>Haliaeetus ichthyaetus</i>				✓										
25	Red-legged Crake	<i>Rallina fasciata</i>														
26	Whimbrel	<i>Numenius phaeopus</i>		✓												
27	Common Sandpiper	<i>Actitis hypoleucos</i>	✓													
28	Whiskered Tern	<i>Chlidonias hybrida</i>		✓	✓	✓	✓									
29	Feral Rock Dove I	<i>Columba livia feral</i>	✓	✓												
30	Spotted Dove	<i>Spilopelia chinensis</i>		✓			✓									
31	Pink-necked Green Pigeon	<i>Treron vernans</i>			✓	✓										
32	Green Imperial Pigeon	<i>Ducula aenea</i>		✓	✓	✓	✓									
33	Greater Coucal	<i>Centropus sinensis</i>								✓	✓		✓			
34	Lesser Coucal	<i>Centropus bengalensis</i>			✓	✓										
35	Raffles's Malkoha	<i>Rhinortha chlorophaea</i>		✓	✓											
36	Chestnut-breasted Malkoha	<i>Phaenicophaeus curvirostris</i>	✓													
37	Plaintive Cuckoo	<i>Cacomantis merulinus</i>			✓											
38	Barred Eagle-Owl	<i>Bubo sumatranus</i>								✓						
39	Buffy Fish Owl	<i>Ketupa ketupu</i>			✓	✓	✓		✓	✓	✓	✓	✓			
40	Large Frogmouth	<i>Batrachostomus auritus</i>						✓	✓							
41	Sunda Frogmouth	<i>Batrachostomus cornutus</i>		✓		✓										
42	Grey-rumped Treeswift	<i>Hemiprocne longipennis</i>								✓						
43	Whiskered Treeswift	<i>Hemiprocne comata</i>					✓	✓	✓		✓					
44	Plume-toed (Glossy) Swiftlet	<i>Collocalia affinis</i>	✓	✓									✓			
45	Bornean Swiftlet E	<i>Collocalia dodgei</i>													✓	
46	Black-nest Swiftlet	<i>Aerodramus maximus</i>					✓									
47	Silver-rumped Spinetail	<i>Rhaphidura leucopygialis</i>						✓	✓	✓	✓	✓				
48	Asian Palm Swift	<i>Cypsiurus balasiensis</i>	✓	✓												

	Common name	Scientific name	October													
			16	17	18	19	20	21	22	23	24	25	26	27	28	
49	Oriental Dollarbird	<i>Eurystomus orientalis</i>		✓	✓	✓										
50	Stork-billed Kingfisher	<i>Pelargopsis capensis cyanopteryx</i>		✓	✓											
51	Collared Kingfisher	<i>Todiramphus chloris</i>		✓		✓										
52	Blue-eared Kingfisher	<i>Alcedo meninting</i>		✓	✓											
53	Common Kingfisher	<i>Alcedo atthis</i>		✓	✓											
54	Oriental Dwarf Kingfisher	<i>Ceyx erithaca</i>		✓	✓											
55	Red-bearded Bee-eater	<i>Nyctornis amictus</i>								✓	✓		✓			
56	Blue-throated Bee-eater	<i>Merops viridis</i>	✓	✓						✓	✓	✓	✓			
57	Rhinoceros Hornbill	<i>Buceros rhinoceros</i>			✓		✓			✓		✓	✓		✓	
58	Oriental Pied Hornbill	<i>Anthracoceros albirostris</i>	✓	✓	✓	✓	✓									
59	Black Hornbill	<i>Anthracoceros malayanus</i>					✓	✓				✓				
60	Wreathed Hornbill	<i>Rhyticeros undulatus</i>						✓	✓					✓		
61	Wrinkled Hornbill	<i>Rhabdotorrhinus corrugatus</i>			✓											
62	Brown Barbet	<i>Caloramphus fuliginosus</i>	✓						✓							
63	White-bellied Woodpecker	<i>Dryocopus javensis</i>		✓	✓											
64	Crimson-winged Woodpecker	<i>Picus puniceus</i>							✓							
65	Maroon Woodpecker	<i>Blythipicus rubiginosus</i>				✓										
66	White-fronted (Bornean) Falconet E	<i>Microhierax latifrons</i>				1		2	2	4						
67	Blue-rumped Parrot	<i>Psittinus cyanurus</i>	✓	✓	✓											
68	Long-tailed Parakeet	<i>Psittacula longicauda</i>			✓											
69	Black-and-red Broadbill	<i>Cymbirhynchus macrorhynchos</i>			✓											
70	Black-and-yellow Broadbill	<i>Eurylaimus ochromalus</i>				✓								✓		
71	Dusky Broadbill	<i>Corydon sumatranus</i>	✓													
72	Hooded Pitta	<i>Pitta sordida mulleri</i>	✓													
73	Rufous-winged Philentoma	<i>Philentoma pyrhoptera</i>			✓								✓			
74	White-breasted Woodswallow	<i>Artamus leucorhynchus</i>					✓									
75	Fiery Minivet	<i>Pericrocotus igneus</i>		✓	✓											
76	Grey-chinned Minivet	<i>Pericrocotus solaris</i>													✓	
77	Bornean Whistler E	<i>Pachycephala hypoxantha</i>													✓	
78	Dark-throated Oriole	<i>Oriolus xanthonotus</i>										✓				
79	Bronzed Drongo	<i>Dicrurus aeneus</i>								✓						
80	Hair-crested Drongo	<i>Dicrurus hottentottus borneensis</i>													✓	

	E = Endemic		October													
	Common name	Scientific name	16	17	18	19	20	21	22	23	24	25	26	27	28	
81	Greater Racket-tailed Drongo	<i>Dicrurus paradiseus</i>							✓				✓			
82	Malaysian Pied Fantail	<i>Rhipidura javanica</i>	✓					✓	✓				✓			
83	Spotted Fantail	<i>Rhipidura perlata</i>									✓					
84	Black-naped Monarch	<i>Hypothymis azurea</i>			✓											
85	Blyth's Paradise Flycatcher	<i>Terpsiphone affinis</i>									✓					
86	Black Magpie	<i>Platysmurus leucopterus aterrimus</i>			✓											
87	Bornean Green Magpie E	<i>Cissa jefferyi</i>													✓	
88	Bornean Treepie E	<i>Dendrocitta cinerascens</i>													✓	
89	Slender-billed Crow	<i>Corvus enca</i>				✓			✓	✓	✓		✓			
90	Grey-bellied Bulbul	<i>Pycnonotus cyaniventris</i>							✓							
91	Yellow-vented Bulbul	<i>Pycnonotus goiavier analis</i>	✓	✓				✓		✓	✓	✓	✓			
92	Olive-winged Bulbul	<i>Pycnonotus plumosus</i>	✓													
93	Asian Red-eyed Bulbul	<i>Pycnonotus brunneus</i>						✓	✓	✓	✓		✓			
94	Ochraceous Bulbul	<i>Alophoixus ochraceus ruficrissus</i>													✓	
95	Buff-vented Bulbul	<i>Iole olivacea</i>								✓						
96	Streaked Bulbul	<i>Ixos malaccensis</i>					✓	✓								
97	Barn Swallow	<i>Hirundo rustica</i>		✓	✓		✓		✓	✓			✓			
98	Pacific Swallow	<i>Hirundo tahitica</i>	✓	✓	✓			✓			✓		✓			
99	Yellow-bellied Warbler	<i>Abroscopus superciliaris</i>					✓									
100	Mountain Leaf Warbler	<i>Phylloscopus trivirgatus kinabaluensis</i>												✓	✓	
101	Yellow-breasted Warbler	<i>Seicercus montis</i>													✓	
102	Rufous-tailed Tailorbird	<i>Orthotomus sericeus</i>		✓												
103	Ashy Tailorbird	<i>Orthotomus ruficeps</i>	✓	✓												
104	Chestnut-winged Babbler	<i>Stachyris erythroptera</i>									✓					
105	Sooty-capped Babbler	<i>Malacopteron affine</i>				✓										
106	Rufous-crowned Babbler	<i>Malacopteron magnum</i>								✓						
107	White-chested Babbler	<i>Trichastoma rostratum</i>									✓					
108	Chestnut-hooded Laughingthrush	<i>Garrulax treacheri</i>												✓	✓	
109	Chestnut-crested Yuhina	<i>Yuhina everetti</i>													✓	
110	Black-capped White-eye	<i>Zosterops atricapilla</i>													✓	
111	Asian Fairy-bluebird	<i>Irena puella</i>						✓	✓	✓						
112	Velvet-fronted Nuthatch	<i>Sitta frontalis</i>			✓											

	E = Endemic		October													
	Common name	Scientific name	16	17	18	19	20	21	22	23	24	25	26	27	28	
113	Asian Glossy Starling	<i>Aplonis panayensis</i>		✓												
114	Common Hill Myna	<i>Gracula religiosa</i>		✓		✓			✓			✓	✓			
115	Javan Myna I	<i>Acridotheres javanicus</i>	✓	✓			✓									
116	Oriental Magpie-Robin	<i>Copsychus saularis pluto</i>		✓					✓							
117	White-crowned Shama	<i>Copsychus stricklandii</i>				✓	✓			✓				✓		
118	Asian Brown Flycatcher	<i>Muscicapa dauurica</i>				✓		✓		✓				✓		
119	Brown-streaked Flycatcher	<i>Muscicapa williamsoni</i>						✓	✓							
120	Bornean Blue Flycatcher E	<i>Cyornis superbus</i>				✓										
121	Indigo Flycatcher	<i>Eumyias indigo</i>													✓	
122	Little Pied Flycatcher	<i>Ficedula westermanni</i>													✓	
123	Greater Green Leafbird	<i>Chloropsis sonnerati</i>						✓	✓							
124	Lesser Green Leafbird	<i>Chloropsis cyanopogon</i>							✓	✓	✓	✓	✓			
125	Yellow-rumped Flowerpecker	<i>Prionochilus xanthopygius</i>							✓							
126	Orange-bellied Flowerpecker	<i>Dicaeum trigonostigma</i>	✓													
127	Black-sided Flowerpecker E	<i>Dicaeum monticolum</i>												✓	✓	
128	Scarlet-backed Flowerpecker	<i>Dicaeum cruentatum</i>	✓													
129	Plain-throated Sunbird (Brown-thr)	<i>Anthreptes malacensis</i>	✓													
130	Olive-backed Sunbird	<i>Cinnyris jugularis</i>					✓									
131	Crimson Sunbird	<i>Aethopyga siparaja</i>		✓												
132	Temminck's Sunbird	<i>Aethopyga temminckii</i>													✓	
133	Little Spiderhunter	<i>Arachnothera longirostra</i>	✓	✓												
134	Grey Wagtail	<i>Motacilla cinerea</i>												✓	✓	
135	Eurasian Tree Sparrow	<i>Passer montanus</i>	✓	✓			✓	✓	✓	✓	✓	✓	✓			
136	Dusky Munia	<i>Lonchura fuscans</i>							✓	✓			✓			

Reptiles

Saltwater Crocodile, *Crocodylus porosus*

Red-throated Skink, *Eutropis rugifera*

Water Monitor, *Varanus salvator*

Bornean Keeled Green Pit Viper, *Tropidolaemus subannulatus*

Malayan Box Turtle, *Cuora amboinensis*

Black-banded Skink, *Eutropis rudis*

Reticulated Python, *Broghammerus reticulatus*

Dusky Wolf Snake, *Lepturophis albufuscus*

Asian House Gecko, *Hemidactylus frenatus*

Slender Skink species, *Sphenomorphus* sp.

Yellow-ringed Cat (Mangrove) Snake, *Boiga dendrophila*

White-spotted Cat Snake, *Boiga drapiezii*

Amphibians

File-eared Frog, *Polypedates otitophus*
Common Green Frog, *Hylarana erythraea*

Wallace's Flying Frog, *Rhacophorus nigropalmatus*

Hill Forest Frog, *Limnonectes hascheanus*

Fish

Hooghly Halfbeak, *Zenarchopterus striga*

Dragonflies

Common Parasol, *Neurothemis fluctuans*
Common Parasol, *Neurothemis fluctuans*

Scarlet Skimmer, *Orthetrum testaceum*
Slender Skimmer, *Orthetrum Sabina*

Blue Dasher, *Brachydiplax chalybea*

Butterflies and Moths

Common Birdwing, *Lyssa zampa*

Swallowtail Moth, *Lyssa zampa*

Ganesh's Lappet Moth, *Trabala ganasha*

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Group picture by Mike Robinson