

MALAYSIA: BORNEO, SARAWAK – FAMILY LISTING PRIVATE TOUR FOR RAIL-BABBLER AND CRESTED JAYSHRIKE TRIP REPORT

16 - 22 AUGUST 2022

By Andrew Walker



Crested Jayshrike, one of the two main targets of this family listing tour, gave excellent views.



Overview

This private birding tour for Chuck visited Sarawak state in Borneo, Malaysia. It started in Kuching on the 16th of August 2022 and finished back there on the 22nd of August 2022. The main aim of the tour was to find two species belonging to monotypic families, **Rail-babbler** and **Crested Jayshrike**. After Chuck joined our July 2022 <u>Sulawesi and Halmahera</u> tour (report <u>here</u>) and August 2022 <u>West Papua</u> tour (report <u>here</u>) these were the last two families he required to have recorded all of the families in the world and would represent an amazing achievement.

Our birding focused on two areas near Kuching – the capital city of Sarawak state. Our first stop was at the wonderful Kubah National Park which contains some excellent forest patches. Our second stop, and main base for the tour, was the picturesque and remote Borneo Highlands Resort (an area closed off for over two years due to Covid and in a state of flux as to what is going to happen to it going forward). This site sits right along the Malaysia-Indonesia border and offers some absolutely brilliant birding, along with breathtaking views. Although we had two big (and rather tough) targets to find there was also loads of other great birds on offer at these two locations, and so we also paid due attention to those as time permitted. There are a lot of unresolved taxonomical issues in Borneo and so we were keen to record as many of the interesting and localized subspecies as possible for future "armchair ticks", there are probably quite a few coming!



Rail-babbler gave us some exceptional views during the tour, which was a good job as it was one of the main targets.

We recorded 169 species on the tour including our two main targets, Rail-babbler and Crested Jayshrike, both of which showed extremely well. We also found several other great species, such as Blue-banded Pitta, Bornean Frogmouth, Oriental Bay Owl, Barred Eagle-Owl, Reddish



Scops Owl, Sunda Scops Owl, Mountain Serpent Eagle, Blyth's Hawk-Eagle, Bornean Barbet, Chestnut-naped Forktail, Rufous-collared Kingfisher, White-crowned Hornbill, Wreathed Hornbill, Diard's Trogon, Red-naped Trogon, Scarlet-rumped Trogon, Black-and-red Broadbill, Black-and-yellow Broadbill, Banded Broadbill, Green Broadbill, Bornean Black Magpie, Dayak Blue Flycatcher, Bornean Blue Flycatcher, Pygmy White-eye, Chestnut-crested Yuhina, White-bellied Erpornis (a talked about potential new monotypic family), Bornean Black-capped Babbler, Grey-hooded Babbler, Grey-bellied Bulbul, Scalybreasted Bulbul, Charlotte's Bulbul, Yellow-rumped Flowerpecker, Scarlet-breasted Flowerpecker, Greater Green Leafbird, and Dusky Munia.

Of the interesting subspecies referred to above, we found many, including (Bornean/Black-faced) Banded Kingfisher, (Western/Asian) Hooded Pitta, Rusty-breasted (Sunda Brush) Cuckoo, Golden-whiskered (Golden-faced) Barbet, Blue-eared (Black-eared) Barbet, Cinereous (Green-winged) Bulbul, Short-tailed (Glissando) Babbler, Grey-throated (Bornean Mountain) Babbler, (Bornean) Moustached Babbler, Horsfield's (Salvadori's) Babbler, Eye-browed (Whitehead's) Wren-Babbler, and Brown (Bornean) Fulvetta, to name a few.

We also found several species of small mammals, reptiles, interesting insects, and other taxa during this short Borneo bird tour. The trip lists for birds and everything else we identified follows the report.



The highlight of our first morning birding in Borneo was this spectacular, and highly sought, **Blue-banded Pitta**. A magical sight glowing brightly in the dark forest understory.



Detailed Report

Day 1, 16th August 2022. Arrival in Kuching, Sarawak

An arrival day in Kuching, Sarawak, Borneo. We enjoyed our welcome dinner together soaking in views of Kuching River, as we prepared for an exciting week of birding in Borneo.

Day 2, 17th August 2022. Birding in Kubah National Park area

We left the city of Kuching behind and drove the short distance to the Kubah National Park area. The trail we took was a gentle and gradual climb, but we didn't really notice it as we were busy soaking in all of the incredible birds one after the other all morning. We came across a flowering tree that attracted Yellow-eared Spiderhunter, Spectacled Spiderhunter, Grey-breasted Spiderhunter, and Blue-crowned Hanging Parrot. Nearby, we found Dusky Munia, Green Iora, Charlotte's Bulbul, Rufous Woodpecker, Common Hill Myna, and Rufous-tailed Tailorbird. Walking through the forest we added Dark-throated Oriole, Barred Eagle-Owl, Greater Racket-tailed Drongo, Lesser Cuckooshrike, Scarlet Minivet, and the best bird of the morning, the simply spectacular Blue-banded Pitta.



We had some great views of **Barred Eagle-Owl** during our first birding session of this Borneo private tour in Sarawak.

Birds were active all morning and it was tough to drag ourselves away from the site. Chestnut-breasted Malkoha, Raffles's Malkoha, Violet Cuckoo, Banded Bay Cuckoo, (Bornean/Blackfaced) Banded Kingfisher, Oriental Dwarf Kingfisher, Grey-and-buff Woodpecker, Rufous-



winged Philentoma, Maroon-breasted Philentoma, Bornean Black-capped Babbler, Yellow-rumped Flowerpecker, Black-and-yellow Broadbill, Banded Broadbill, and Asian Fairy-bluebird all yied for our attention.

We had a fair bit of rain in the afternoon which prevented us from doing any more birding during daylight hours, but a walk in the evening provided some interesting geckos and other wildlife, as well as a fantastic close sighting of **Oriental Bay Owl**, with a supporting cast of **Barred Eagle-Owl** and **Sunda Scops Owl**. What an incredible day of birding in Sarawak.



We heard this **Oriental Bay Owl** calling way down in the valley below us, eventually it came close enough for us to see!

Day 3, 18th August 2022. Birding in Kubah National Park area and travel to, then birding, at Borneo Highlands Resort

Some pre-breakfast birding saw us finding Hooded Pitta, Crimson Sunbird, Dark-throated Oriole, White-bellied Sea Eagle, Large-tailed Nightjar, and a few other species. Some roadside birding while we ate breakfast was super productive. Our first Crested Jayshrike was picked up but frustratingly eluded Chuck, so we needed to find another one! While trying to relocate the jayshrike (to no avail), we had Bornean Black Magpie, Red-billed Malkoha, Pink-necked Green Pigeon, Black-thighed Falconet, and Grey-rumped Treeswift amongst others.

We got to Kubah National Park just after it had opened and commenced the long road up the mountain. It was quite a gradual gradient and there were loads of birds to slow us down! Bornean Blue Flycatcher gave incredible views, as did nesting Black-naped Monarch and Blyth's Paradise Flycatcher. During the morning, we found Red-naped Trogon, Scarlet-rumped Trogon, Diard's Trogon, Grey-bellied Bulbul, Puff-backed Bulbul, Yellow-bellied Bulbul,



Maroon Woodpecker, Asian Fairy-bluebird, and Chestnut-naped Forktail to name just a few of the goodies. Alas, no sight or sound of Rail-babbler or Crested Jayshrike here today though.



Red-naped Trogon gave us some close views while birding in Kubah National Park.



Attracted to a fruiting tree, we also got great looks at the beautiful Scarlet-rumped Trogon.



It was now the middle of the day so time to move on, grab some lunch and drive across to the Borneo Highlands Resort. We noted **Long-tailed Shrike**, **Common Myna**, **Collared Kingfisher**, and several other common and widespread species along the way. After checking into our vast accommodation, we made a plan for some afternoon birding.

Our chosen spot for birding in the Borneo Highland Resort area was near to the border viewpoint, an amazing vista over West Kalimantan, Indonesia. Immediately on arrival we were finding great birds, (Bornean/Black-faced) Banded Kingfisher, Wreathed Hornbill, Green Broadbill, Blyth's Hawk-Eagle, Bornean Barbet, Red-throated Barbet, Rufous Piculet, Scaly-breasted Bulbul, Pygmy White-eye, Oriental Magpie-Robin, White-rumped Shama, and Temminck's Sunbird. However, the main attractions both occurred within 30 minutes of each other as the day was fading away. Firstly, we found a Rail-babbler not far off the road. After enjoying this for a while and starting the celebrations we commenced our walk back to the car when suddenly, secondly, a pair of Crested Jayshrikes called as they flew into view! We couldn't believe it as these shy and secretive birds came to check us out, even allowing us to take some photos (see report cover image). The excitement (and relief) was palpable, Chuck had just completed his family list, what a phenomenal achievement! With that there was nothing else to do other than go back to our house and celebrate with a good drink and a good meal.



One of multiple potential future splits, this Bornean/Black-faced **Banded Kingfisher** allowed us to study it at eye-level for a short while. A rather distinctive subspecies.

Day 4, 19th August 2022. Birding at Borneo Highlands Resort

We had lots of time allocated for finding the rail-babbler and jayshrike, not expecting to connect with both on our first afternoon, though there were no complaints of course! The area is wonderful



for birding so we would just enjoy what we could find and try for better views/photos of the key targets and see what other interesting birds we could find over the next few days.

Right off our balcony during breakfast we had Rusty-breasted (Sunda Brush) Cuckoo, Chestnut-naped Forktail, Dayak Blue Flycatcher, Yellow-rumped Flowerpecker, and Chestnut-crested Yuhina. A stop at a patch of forest first thing gave us excellent views of Short-tailed (Glissando) Babbler, as well as Temminck's Babbler, Horsfield's Babbler, Sunda Scimitar Babbler, Asian Fairy-bluebird, Banded Woodpecker, and more.

Heading out along a mountain trail along the Malaysia-Indonesia border we were able to add birds to lists for both countries, which was great fun! We found Red-throated Barbet nest building and had Mountain Serpent Eagle, Scaly-breasted Bulbul, Olive-winged Bulbul, White-bellied Erpornis, Chestnut-crested Yuhina, White-rumped Shama, Black-and-yellow Broadbill, Checker-throated Woodpecker, Golden-whiskered (Golden-faced) Barbet, and Bornean Barbet on one side or another of the border, or occasionally on both sides! Inside the forest we watched Eye-browed (Whitehead's) Wren-Babbler at close range crisscrossing the border at will, and right at the end of our walk we saw a pair of Crested Jayshrikes again, and this time they were in Indonesia! A great end to our morning birding session.



This **Red-throated Barbet** was busy excavating holes and unconcerned by our presence.

In the afternoon we headed out again and spent some time on the edge of the vast golf course and found Black Eagle, Rufous-bellied Eagle, Wallace's Hawk-Eagle, lots of swiftlets and Pacific Swallows, Green Iora, Buff-rumped Woodpecker, Bornean Barbet, and Scaly-breasted Bulbul. At a different spot we again had Rail-babbler and as a thunderstorm approached we found Black-bellied Malkoha, Brown Barbet, Puff-backed Bulbul, and Rufous Piculet. In the



evening we found **Bornean Frogmouth**, **Reddish Scops Owl**, and **Bornean Slow Loris**, but this all arrived with the onset of the rain from the thunderstorm which went through the night.

Day 5, 20th August 2022. Birding at Borneo Highlands Resort

After the heavy rain through much of the night we were pleasantly surprised to find a dry morning awaiting us, with Rusty-breasted (Sunda Brush) Cuckoo, Verditer Flycatcher, Dayak Blue Flycatcher, and Chestnut-naped Forktail serenading us from our balcony.

After breakfast we set off back to the forest along the Malaysia-Indonesia border and were met there by a Checker-throated Woodpecker and Golden-whiskered (Golden-faced) Barbet, both of which showed well. Off the border viewpoint we saw Red-billed Malkoha, Plume-toed Swiftlet, Chestnut-crested Yuhina, White-rumped Shama, and Bar-winged Flycatcher-shrike. Walking into the forest, further than we had done the previous day, we recorded Temminck's Babbler, Sunda Scimitar Babbler, Black-and-yellow Broadbill, and then heard the now familiar call of Rail-babbler. We stood and hid behind a tree for quite a while, to no avail, though the bird could be heard still, it just wouldn't come into view. We changed our viewpoint, and in no time at all we found ourselves face-to-face with this stunning and unique bird. We enjoyed a wonderful sighting of the Rail-babbler as it jumped up onto a mossy fallen tree where it showed off for us all (for what seemed like a long time), even allowing for some photos to be taken. Amazingly we had the bird in Indonesia and then cross over the border into Malaysia – I doubt too many people have seen Rail-Babbler in two countries in the same day (or minute!). We were overjoyed by our sighting of this major trip target bird, and even the rain that was now falling didn't dampen our spirits!



We enjoyed the views we had of **Rail-babbler**. Here it is standing in Indonesia, just before it walked across into Malaysia!



After our seriously good looks at Rail-babbler, we decided that it was time to head back for lunch, and along the way we picked up Eye-browed (Whitehead's) Wren-Babbler, Pygmy White-eye, Blue-winged Leafbird, Scaly-breasted Bulbul, Dusky Munia, and Green Iora.



We had some good looks at Eye-browed (Whitehead's) Wren-Babbler, a potential future split.



Green Broadbill showed well just before it got dark.



During the afternoon we visited a couple of different areas in this huge site. The best spot gave us views of White-crowned Hornbill, Wreathed Hornbill, Thick-billed Green Pigeon, Plaintive Cuckoo, Bornean Barbet, Pygmy White-eye, Temminck's Sunbird, Green Broadbill, and Dayak Blue Flycatcher. Once the sun had set, we enjoyed seeing the rare Bornean Frogmouth at close range, a perfect end to another excellent day of birding in Borneo.



Excellent views of the scarce and uncommon **Bornean Frogmouth** provided yet another tour highlight.

Day 6, 21st August 2022. Birding at Borneo Highlands Resort

Our final full day of this short but highly rewarding tour saw us heading back up to the Malaysia-Indonesia border area to see what else we could eek out of the beautiful mossy forest. We had a very relaxed hour or so watching from the viewpoint. Here we found **Brown-backed Needletail** (along with hundreds of assorted swiftlets), **Cinereous** (Green-winged) **Bulbul**, **White-crowned Hornbill**, **Red-bearded Bee-eater**, **Greater Green Leafbird**, **Golden-whiskered** (Goldenfaced) **Barbet**, **Brown Barbet**, **Red-throated Barbet**, **Bornean Barbet**, **Thick-billed Green Pigeon**, and several other species. After a while the cloud rolled in, and we had a period of heavy rain and low cloud until into the afternoon.

By the middle of the afternoon the weather had cleared up, so we ventured out for some more great Bornean birdwatching. We found a flowering tree that was busy with bulbuls and Black-headed Bulbul was a new trip bird. We also had Charlotte's Bulbul, Scaly-breasted Bulbul, Spectacled Bulbul, and several other species. A fruiting tree held over a dozen Brown Barbets, as well as plenty of Blue-eared (Black-eared) Barbets, and Bornean Barbet. This tree also contained a pair of huge Wreathed Hornbills, Asian Fairy-bluebird, and Dark-throated Oriole. Nearby we had another pair of Crested Jayshrikes, allowing for further good views and right before we called an



end to the day, we had a pair of **Rufous-collared Kingfishers** in a dark gully. Tough light but cool to see nevertheless, this is one attractive bird.



We had some fantastic close views of **Crested Jayshrike** during our final afternoon birding at Borneo Highland Resort, what a nice treat.



It was almost dark but seeing Rufous-collared Kingfisher is always a joy.



Day 7, 22nd August 2022. Birding at Borneo Highlands Resort then travel to Kuching where tour concluded with international departure

We had a final relaxed morning birding session in the Borneo Highlands Resort grounds before it was time to leave. After breakfast we drove up to the border viewpoint for a final look around. Here we found Brown-backed Needletail, Bornean Barbet, Dark-throated Oriole, White-bellied Erpornis, Bar-winged Flycatcher-shrike, Green Iora, Hume's White-eye, Rufous-crowned Babbler, Temminck's Babbler, Verditer Flycatcher, Ruby-cheeked Sunbird, and Temminck's Sunbird. Our final sighting of note before lunch involved a vocal Mountain Serpent Eagle over our accommodation, a great way to end the tour!

After lunch we packed up and headed down off the mountain back into Kuching where the tour concluded with international departure. We must offer a huge thank you to our local team who were excellent and a joy to bird with, and once again, huge congratulations to Chuck on reaching his target of 248 families!

The trip lists for this tour follows.

This was a private family listing tour with some specific target species – please get in touch if you would like something similar (here or anywhere in the world for any species or families). We have two set departure tours in Borneo, a <u>Sarawak tour</u> for several localized endemics and a <u>Sabah tour</u> for more endemic birding and some mega mammals.



We had several sightings of White-crowned Hornbills during this short Borneo birding tour.



Bird List - Following IOC (12.1)

The following notation after species names is used to show conservation status following BirdLife International: EN = Endangered, VU = Vulnerable.

Common Name	Scientific Name
Nightjars (Caprimulgidae)	
Large-tailed Nightjar	Caprimulgus macrurus
Frogmouths (Podargidae)	
Bornean Frogmouth	Batrachostomus mixtus
Treeswifts (Hemiprocnidae)	
Grey-rumped Treeswift	Hemiprocne longipennis
Swifts (Apodidae)	
Plume-toed Swiftlet	Collocalia affinis
Black-nest Swiftlet	Aerodramus maximus
Edible-nest Swiftlet	Aerodramus fuciphagus
Silver-rumped Spinetail	Rhaphidura leucopygialis
Brown-backed Needletail	Hirundapus giganteus
House Swift	Apus nipalensis
Cuckoos (Cuculidae)	
Greater Coucal	Centropus sinensis
Raffles's Malkoha	Rhinortha chlorophaea
Red-billed Malkoha	Zanclostomus javanicus
Chestnut-breasted Malkoha	Phaenicophaeus curvirostris
Black-bellied Malkoha	Phaenicophaeus diardi
Violet Cuckoo	Chrysococcyx xanthorhynchus
Banded Bay Cuckoo	Cacomantis sonneratii
Plaintive Cuckoo	Cacomantis merulinus
Rusty-breasted Cuckoo	Cacomantis sepulcralis
Pigeons, Doves (Columbidae)	
Rock Dove	Columba livia
Spotted Dove	Spilopelia chinensis
Common Emerald Dove	Chalcophaps indica
Zebra Dove	Geopelia striata



Common Name	Scientific Name
Pink-necked Green Pigeon	Treron vernans
Thick-billed Green Pigeon	Treron curvirostra
Rails, Crakes & Coots (Rallidae)	
White-breasted Waterhen	Amaurornis phoenicurus
Gulls, Terns, Skimmers (Laridae)	
Little Tern	Sternula albifrons
Herons, Bitterns (Ardeidae)	
Great Egret	Ardea alba
Intermediate Egret	Ardea intermedia
Little Egret	Egretta garzetta
Kites, Hawks, Eagles (Accipitridae)	
Crested Serpent Eagle	Spilornis cheela
Mountain Serpent Eagle - VU	Spilornis kinabaluensis
Blyth's Hawk-Eagle	Nisaetus alboniger
Rufous-bellied Eagle	Lophotriorchis kienerii
Black Eagle	Ictinaetus malaiensis
White-bellied Sea Eagle	Haliaeetus leucogaster
Barn Owls (Tytonidae)	
Oriental Bay Owl	Phodilus badius
Owls (Strigidae)	
Reddish Scops Owl	Otus rufescens
Sunda Scops Owl	Otus lempiji
Barred Eagle-Owl	Bubo sumatranus
Trogons (Trogonidae)	
Red-naped Trogon	Harpactes kasumba
Diard's Trogon	Harpactes diardii
Scarlet-rumped Trogon	Harpactes duvaucelii
Hornbills (Bucerotidae)	
White-crowned Hornbill - EN	Berenicornis comatus
Wreathed Hornbill - VU	Rhyticeros undulatus





Common Name	Scientific Name
African & Green Broadbills (Calypto	menidae)
Green Broadbill	Calyptomena viridis
Pittas (Pittidae)	
Blue-banded Pitta	Erythropitta arquata
Hooded Pitta	Pitta sordida
Australasian Warblers (Acanthizidae	1
Golden-bellied Gerygone	Gerygone sulphurea
Vangas & Allies (Vangidae)	
Bar-winged Flycatcher-shrike	Hemipus picatus
Black-winged Flycatcher-shrike	Hemipus hirundinaceus
Large Woodshrike	Tephrodornis virgatus
Rufous-winged Philentoma	Philentoma pyrhoptera
Maroon-breasted Philentoma	Philentoma velata
Woodswallows, Butcherbirds & Allie	s (Artamidae)
White-breasted Woodswallow	Artamus leucorynchus
Ioras (Aegithinidae)	
Green Iora	Aegithina viridissima
Cuckooshrikes (Campephagidae)	1
Scarlet Minivet	Pericrocotus speciosus
Lesser Cuckooshrike	Lalage fimbriata
Whistlers & Allies (Pachycephalidae)	
Mangrove Whistler	Pachycephala cinerea
Chailtes (Louides)	
Shrikes (Laniidae)	Laning a chack
Long-tailed Shrike	Lanius schach
Vireos, Greenlets, Shrike-babblers (V	ireonidae)
White-bellied Erpornis	Erpornis zantholeuca
Figbirds, Orioles, Turnagra (Oriolida	ne)
Dark-throated Oriole	Oriolus xanthonotus









Common Name	Scientific Name
Spectacled Spiderhunter	Arachnothera flavigaster
Yellow-eared Spiderhunter	Arachnothera chrysogenys
Grey-breasted Spiderhunter	Arachnothera modesta
Old World Sparrows, Snowfinches (Page 1988)	asseridae)
Eurasian Tree Sparrow	Passer montanus
Waxbills, Munias & Allies (Estrildida	e)
Dusky Munia	Lonchura fuscans
Chestnut Munia	Lonchura atricapilla
Total	169

Mammal List

Common Name	Scientific Name
Squirrels (Sciuridae)	
Pale Giant Squirrel	Ratufa affinis
Prevost's Squirrel	Callosciurus prevostii
Plantain Squirrel	Callosciurus notatus
Lowland Slender Squirrel	Sundasciurus tenuis
Bornean Black-eared (Pygmy) Squirrel	Nannosciurus melanotis borneanus
Least Pygmy Squirrel	Exilisciurus exilis
Three-striped Ground Squirrel	Lariscus insignis
Treeshrews (Tupaiidae)	
Common (Large) Treeshrew	Tupaia glis
Lesser Treeshrew	Tupia minor
Old World Monkeys (Cercopithecidae)	
Long-tailed Macaque	Macaca fascicularis
Southern Pig-tailed Macaque	Macaca nemestrina
Lorises and Pottos (Lorisidae)	
Bornean Slow Loris	Nycticebus menagensis

Total	12
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Reptile and Amphibian List

Common Name	Scientific Name
Typical Geckos (Gekkonidae)	
Common House Gecko	Hemidactylus frenatus
Bornean Round-eyed Gecko	Cnemaspis kendallii
Borneo Bow-fingered Gecko	Cyrtodactylus malayanus
Dragons (Agamidae)	
Green Crested Lizard	Bronchocela cristatella
Skinks (Scincidae)	
Borneo Skink	Dasia vittata
Skink sp.	Tropidophorus sebi
Common Sun Skink	Eutropis multifasciata
Typical Frogs (Ranidae)	
Green Paddy Frog	Hylarana erythraea
Shrub Frogs (Rhacoporidae)	
Brown Tree Frog	Leptomantis harrissoni
Total	9

Notable Other Taxa List

Common Name	Scientific Name
Orbweavers (Araneidae)	
Multi-colored Saint Andrew's	
Cross Spider	Argiope versicolor
Tarantulas (Theraphosidae)	
Bornean Neon Blueleg Tarantula	Birupes simoroxigorum
Huntsman Spiders (Sparassidae)	
Giant Huntsman Spider sp.	Heteropoda tetrica



Common Name	Scientific Name
Ants (Formicidae)	
Giant Forest Ant	Dinomyrmex gigas borneensis
Stick Insects (Lonchodidae)	
Purple Stick Insect	Orthonecroscia fuscoannulata
Touch-me-not Stick Insect	Epidares nolimetangere
Stick Insect sp.	Paradiacantha spiniceps
Stag Beetles (Lucanidae)	
Stag Beetle sp.	Hexarthrius mandibularis
Click Beetles (Elateridae)	
Click Beetle sp.	Cryptalaus nubilus
Scarabs (Scarabaeidae)	
Scarab Beetle sp.	Adoretus compressus
Scarab Beetle sp.	Leucioholis staudingeri
Honey Bees, Bumble Bees, and A	llies (Anidae)
Broad-handed Carpenter Bee	Xylocopa latipes
Orange Stingless Bee	Tetragonula melina
Hill Stingless Bee	Tetragonilla collina
Black Dwarf Honey Bee	Apis andreniformis
Katydids (Tettigoniidae)	
Katydid sp.	Onomarchus uninotatus
Swallowtails and Parnassians (Pa	ipilionidae)
Raja Brooke's Birdwing	Trogonoptera brookiana
Malayan Birdwing	Troides amphrysus
Great Mormon Swallowtail	Papilio memnon
n le in a se or	*1.
Brush-footed Butterflies (Nymph	
Brown Pansy	Junonia hedeonia
Grey Pansy	Junonia atlites
Rustic	Cupha erymanthis
Great Marquis	Bassarona dunya





Common Name	Scientific Name
Forester Moth sp.	Scrobigera hesperioides
Skimmers (Libellulidae)	
Brown-backed Red Marsh Hawk	Orthetrum chrysis
Blue Marsh Hawk	Orthetrum glaucum
Orange Skimmer	Orthetrum testaceum
Crimson Dropwing	Trithemis aurora
Asian Sapphire Flutterer	Rhyothemis triangularis
Common Parasol	Neurothemis fluctuans
Indonesian Red-winged Dragonfly	Neurothemis terminata
Oriental Blue Dasher	Brachydiplax chalybea
Variable Sentinel	Orchithemis pulcherrima
Darners (Aeshnidae)	
Giant Hawker	Tetracanthagyna plagiata
Narrow-winged Damselflies (Coenag	grionidae)
Common Bluetail	Ischnura senegalensis
Jawed Land Leeches (Haemadipsida	ae)
Brown Leech	Haemadipsa zeylanica
Polydesmidan Millipedes (Platyrhac	idae)
Millipede sp.	Acanthodesmus lineatus
Southeast Asian Freshwater Crabs (Gecarcinucidae)	
Forest Crab sp.	Terrathelphusa kuchingensis

Total 67

