

still inside was also noted. On 7 June another nest was found along the Sekonyer, freshly made and decorated with green moss. On 4 June one bird was seen carrying nest materials. On 3 Sept one family group of 2 adults and 2 fledged young was seen along the Buluh Kecil river.

Banded Broadbill *Eurylaimus javanicus* S

Encountered only near the Buluh Kecil area (in peat basin margins). This species is reportedly rare in swampy coastal districts (Robinson, 1927); its scarcity in kerangas, compared with *E. ochromalus* is surprising in view of the comments in Holmes & Burton (1987).

Black-and-Yellow Broadbill *Eurylaimus ochromalus* S,K,FP,Cf
Common in all inland forest areas.

Green Broadbill *Calyptomena Viridis* S,K,k

Common, in all inland forest areas, though more common in kerangas. One newly-vacated nest was found on 30 June in kerangas, 1 m from the ground. Family groups of 4 birds were occasionally encountered.

Garnet Pitta *Pitta granatina* S

Recorded only once along the Buluh Kecil river, in alluvial forest, on 29 August. The red crown of the race *granatina* was visible.

Barn Swallow *Hirundo rustica* S,FP,L,Cf,G,C

Common (in migration) everywhere. First arrival date was 4 August.

Pacific Swallow *Hirundo tahitica* S,k,FP,L,Cf,G,C

Common everywhere. On 21 May, 2 nests were found at Natai Lengkuas under the eaves of buildings. In the same area 1 bird was seen building another nest on 9, 12 and 17 June. On 26 July, 1 fledged young was seen perched in pandanus, and 2 fledged young were seen attended by 2 adults in pandanus edge two days later.

Black-winged Flycatcher Shrike *Hemipus hirundinaceus* S,Cf.

Common in inland forest areas, usually close to rivers.

Large Wood-Shrike *Tephrodornis virgatus* K

Encountered only once, in kerangas, on 2 June

Bar-bellied Cuckoo-Shrike *Coracina striata* K

Recorded only once, in kerangas, on 1 June.

Lesser Cuckoo-Shrike *Coracina fimbriata* S, FP

Common at the edge of riverine swamp forest.

Pied Triller *Lalage nigra* Cf, C

Only found in open areas near cultivation, and along the coast.

Fiery Minivet *Pericrocotus igneus* S,k

Common around Natai Lengkuas. One juvenile was seen begging food from an adult male on 11 August in the Buluh Besar river area.

Scarlet Minivet *Pericrocotus flammeus* S

Common, but less so than preceding species.

Green Iora *Aegithina viridissima* S,K,k,FP,G

Common as an edge species, and in the upper canopy of kerangas.

Common Iora *Aegithina tiphia* S,K,FP,Cf,G

Common in cleared areas, and very common in coastal fringe vegetation. On 23 June 1 male was seen displaying in a riverside clearing on the Sekonyer; the bird flew between the same four perches with stiff wings, holding its tail downwards, fully exposing the long white flank feathers.

Lesser Green Leafbird *Chloropsis cyanopogon* S,K,k

Common, especially in the Natai Lengkuas area.

Greater Green Leafbird *Chloropsis sonnerati* S,K,k

The most common leafbird in the park. On 16 July 1 juvenile was netted. On 1 July an unidentified *Chloropsis* female was seen gathering nest materials.

Blue-winged Leafbird *Chloropsis cochinchinensis* S

Uncommon, only encountered in the Buluh Kecil drainage area.

Black-and-White Bulbul *Pycnonotus melanoleucos* S,L

Uncommon. Recorded only in the Sekonyer river area.

Black-headed Bulbul *Pycnonotus atriceps* S

Uncommon. Occasionally recorded in the Natai Lengkuas area.

Grey-bellied Bulbul *Pycnonotus cyaniventris* S

Recorded only once along the Sekonyer river in degraded riverine vegetation on 21 May.

Puff-backed Bulbul *Pycnonotus eutilotus* S,K,k,FP

Common in all inland forests.

Yellow-vented Bulbul *Pycnonotus goiavier* S,k,FP,L,G,C

Common in open areas, especially ladangs. One juvenile was netted on 13 July.

Olive-winged Bulbul *Pycnonotus plumosus* S,K,k,FP,L,Cf,G,C

A common bird of riverine edge and open scrubland. Five juveniles were noted between 28 May and 13 August.

Red-eyed Bulbul/Cream-vented Bulbul *Pycnonotus brunneus/simplex* S,K,k,FP,L,Cf.

Common in all inland forest areas. As plumage characters are very similar between the two species, and eye colours decidedly polymorphic and confusing, (Nash and Nash, in prep.), the authors have combined observations and netting records for these species. Precise identification of individuals both in the field and in the hand, particularly involving immatures, was not always possible. On 13 June, 2 juveniles were observed begging food, in swamp forest.

Spectacled Bulbul *Pycnonotus erythrophthalmos* S

Only one record of this species, 2 birds in swamp forest at Natai Lengkuas on 23 May. This species was almost certainly overlooked.

Yellow-bellied Bulbul *Criniger phaeocephalus* S,K

Common in inland forest areas, most common in kerangas. A family group of 2 young and 2 adults was netted on 16 July in kerangas.

Hook-billed Bulbul *Setornis criniger* S,K,k,FP

Common in inland forest areas. Family groups were noisy and frequently heard. One newly-fledged young was netted on 28 May.

Hairy-backed Bulbul *Hypsipetes criniger* S,K

Common in inland forest areas. Two juveniles were netted on 18 and 19 July.

Buff-vented Bulbul *Hypsipetes charlottae* S,K

Only one record of this species, of 4 birds in kerangas on 18 July, but probably overlooked and common in forests.

Bronzed Drongo *Dicrurus aeneus* S

Locally common in the Buluh rivers area, in riparian habitats.

Greater Racket-tailed Drongo *Dicrurus paradiseus* S,Cf

Common in the Buluh rivers area, and curiously absent from the Natai Lengkuas area.

Dark-throated Oriole *Oriolus xanthonotus* S,K

Common in inland forests. A juvenile was seen begging food from an adult male on 11 Sept, in kerangas.

Asian Fairy Bluebird *Irena puella* S,K

common in all inland forest areas.

Crested Jay *Platylophus galericulatus* S,K

Recorded only once in the Natai Lengkuas area, at the edge of a ladang.

Black Magpie *Platysmurus leucopterus* S,FP
Recorded only once in scrub at Tanjung Harapan.

Slender-billed Crow *Corvus enca* S,K,k,FP,L,G
Common in all habitats and areas.

Velvet-fronted Nuthatch *Sitta frontalis* S,FP,Cf,G
Common, but easily overlooked. One bird was seen carrying food on 1 June. The nest was found on 10 June, with both birds watched carrying food to the nest, and taking away faecal sacs, in riverine swamp forest edge. On 17 August a family group of 2 juveniles and 2 adults was seen feeding in coastal forest.

Rail Babbler *Eupetes macrocerus* K
Recorded only once on 28 June in kerangas. The call is well known to the authors, so it is unlikely that this species was seriously overlooked.

Black-capped Babbler *Pellorneum capistratum* S,K
Common in inland forests. On 27 June one fledged young was seen attended by an adult, in kerangas.

Short-tailed Babbler *Trichastoma malaccense* S,K,k,FP
Common in inland forest areas, preferring dry ground. On 25 June one juvenile was netted with an adult in kerangas.

White-chested Babbler *Trichastoma rostratum* S,K,k,FP,G
Common, usually in riverine habitats.

Ferruginous Babbler *Trichastoma bicolor* S,K
Uncommon in inland forest areas.

Horsfield's Babbler *Trichastoma sepiarium* S,K
Common, but perhaps local, in inland forest areas. Two separate juveniles were netted in alluvial forest (peat basin margin) on 3 and 4 Sept.

Abbott's Babbler *Trichastoma abbotti* FP, Cf
Common, but only in association with nipa. On 15 August, 1 juvenile attended by 2 adults was netted.

Moustached Babbler *Malacopteron magnirostre* S,K
Uncommon. Juveniles were netted on 24 May (1), 3 June (2), 4 June (1), and 30 June (1 bird) in forest.

Sooty-capped Babbler *Malacopteron affine* S,K
Uncommon. One juvenile was netted on 31 May in kerangas, and 1 was seen on 2 June in kerangas.

Scaly-crowned Babbler *Malacopteron cinereum* S,K
Common in forests. Sympatric with the following species. Two juveniles were netted on 25 June, and 1 on 16 July, in kerangas. One nest was found on 28 August in alluvial forest (peat basin margin) containing 1 egg at 0600 hours,

then 2 eggs by 1100 hours. Eggs measured 20.0 x 14.3 mm and 20.5 x 14.0 mm, and were pale green, densely spotted with pale brown, with a subterminal ring of black-brown spots and blotches at the larger end.

Rufous-crowned Babbler *Malacopteron magnum* S,K,k
Common in all inland forest areas. Two possible juveniles were netted on 12 Sept in kerangas.

Grey-breasted Babbler *Malacopteron albugulare* S,K
Uncommon, or common but skulking, in dense forest. One still downy fledged young was netted on 28 June in kerangas.

Chestnut-rumped Babbler *Stachyris maculata* S,K,FP
The least common *Stachyris*. A juvenile was netted in kerangas on 11 Sept.

Black-throated Babbler *Stachyris nigricollis* S,K,k,FP
Common in inland forests. An adult was seen carrying food on 31 May in kerangas. Two fledged young with 2 adults were seen on 7 July in alluvial forest. Juveniles were netted on 7 July, 1 Sept and 12 Sept in kerangas.

Chestnut-winged Babbler *Stachyris erythroptera* S,K,k,G
Common to very common in inland forest areas. Two juveniles were netted on 22 June in young kerangas.

Striped Tit-Babbler *Macronous gularis* S,K,k,FP,L,Cf,G,C
Common, around edge and open clearings. One nest was found on 21 May containing 2 eggs, in ladang edge. An adult was seen feeding still-downy fledged young on 6 June in swamp forest edge. One pair was seen building a nest in an alluvial forest clearing on 7 July. One nest found in a ladang on 4 August contained 2 eggs. One newly-fledged downy young was netted on 5 June, and other juveniles were netted on 7 June, 2 and 3 August.

Fluffy-backed Tit-Babbler *Macronous ptilosus* S,K,k,FP,G
Common in edge habitats. On 24 May a juvenile with an adult was netted in alluvial swamp forest edge. On 12 June 1 adult female was netted in which a shelled egg low in the oviduct could be felt.

Brown Fulvetta *Alicippe brunneicauda* K
Recorded only once on 18 July when a female was netted in kerangas at Natai Lengkuas. Although this species usually has a sub-montane range (Fogden 1976, Smythies 1981), it has been recorded in the lowlands (see Kidd and Beales 1977) and appears to be found at this altitudinal level in restricted numbers.

Magpie Robin *Copsychus saularis* S,k,FP,L,Cf,G,C
Common in open areas, cultivation and coastal fringe forest. One immature with a spotted throat was captured on 2 August in fire-padang.

White-rumped Shama *Copsychus malabaricus* S,K,k,FP,Cf
Common in all forest areas, including coastal fringe forest. One fledged downy young was captured on 25 June, and 8 other juveniles were netted between 27 June and 12 August.

Rufous-tailed Shama *Copsychus pyrropygus* S,K
Uncommon. Observed in most forest areas.

Flyeater *Gerygone sulphurea* S,FP,Cf
Common. Easily found in coastal areas and in fire-padang.

Dark-necked Tailorbird *Orthotomus atrogularis* S,K,Cf,G
Uncommon. The least common of the tailorbirds. A partially-downy fledged young was netted on 23 August in coastal fringe vegetation.

Ashy Tailorbird *Orthotomus ruficeps* S,K,k,FP,L,Cf,G,C
Common in edge habitats and open areas. Two fledged young were seen begging food on 11 June. On 8 July a bird was seen building a nest between two leaves at the edge of alluvial forest. On 11 July an adult was seen depositing a faecal sac at the edge of a ladang. Family groups (usually with 2 young) are common. Juveniles were netted between 2 June and 23 August.

Rufous-tailed Tailorbird *Orthotomus sericeus* S,K,k,FP,Cf,G
Common in edge habitats and open areas. One bird of a pair was seen doing a display flight on 4 June near alluvial swamp forest edge. A bird was seen depositing a faecal sac in scrub behind coastal vegetation, on 21 August.

Yellow-bellied Prinia *Prinia flaviventris* FP,L,G,C
Common to very common in ladang areas, uncommon to common in fire-padang/scrub habitat. One fledged young was seen begging food from an adult on 20 July in ladang. One nest containing 3 eggs was found in a ladang on 21 July. On 31 July all 3 eggs hatched. A fledged young was seen begging food at the edge of a ladang on 11 Sept.

Grey-chested Flycatcher *Rhinomyias umbratilis* S,K
Common, especially in dry kerangas. Juveniles were netted on 27 June, 18 and 19 July, and 20 August.

Rufous-chested Flycatcher *Ficedula dumetoria* K
Recorded twice in kerangas. A juvenile male was netted on 29 and 30 June. Although Smythies (1957) states that this species is "occasional" in the lowlands, the presence of a breeding population in this extreme lowland site, so far from sub-montane habitats, appears to be significant.

Malaysian Blue Flycatcher *Cyornis turcosa* S,k,FP,G

Common in riverine habitats. On 1 July a fledged young was being attended by an adult female. Newly-fledged still downy young were netted on 11 and 12 July, and juveniles were netted between 5 June and 12 August.

Mangrove Blue Flycatcher *Cyornis rufigastra* Cf,C

Common, but along the coast in nipa-mangrove, coastal scrub, and sometimes in coastal coconut plantations. A juvenile was netted on 15 August.

Spotted Fantail *Rhipidura perlata* K

Uncommon, in kerangas. Juveniles were netted on 26 and 29 June.

Pied Fantail *Rhipidura javanica* S,k,FP,L,Cf,G,C

Very common in riverine habitats. All nests were found on riverside pandanus stems, with the exception of one nest at the apex of an emergent *Crinum* sp. leaf. Nests : on 4 June; a nest containing 3 eggs; on 4 July, 2 nests with sitting birds; on 5 August, a nest containing 1 egg and 1 newly-hatched young (the second egg hatched by 6 August); on 10 August, 1 nest with a sitting bird, and another nest with 2 eggs, and the *Crinum* nest with a sitting bird; on 29 August 2 nests with 2 eggs each; on 31 August, 1 nest with sitting bird, both sexes sharing the incubation duties; on 4 Sept, 1 nest with 2 eggs, this nest being depredated by the next day, and the pair started to build another nest nearby; on 1 August a newly-fledged young was being attended by two adults; on 4 August a fledged young was seen feeding alone. Juveniles were netted on 27 July, and 2 and 22 August.

Black-naped Monarch *Hypothymis azurea* S,K,k,FP

Common in inland forest areas, with a preference for mature kerangas. A male was seen displaying to a female on 1 June. A juvenile was seen begging food from a female on 25 June. Two males were observed in a territorial fight on 25 June. A pair was seen building a nest on 1 July, with mosses and down. Both birds were around the nest, but only the female was seen adding materials. A nest found on 19 July contained 1 egg, and both sexes were seen incubating. On 7 August this nest was found depredated. Juveniles were netted on 18 and 27 July.

Rufous-winged Flycatcher *Phylentoma pyrhopterum* S,K,k,FP

Common in most inland forest areas. A juvenile was netted on 14 June.

Asian Paradise-Flycatcher *Terpsiphone paradisi* S,K,k

Common in inland forest areas.

Mangrove Whistler *Pachycephala cinerea* S,K,k,FP,Cf

Common in inland forest areas, particularly in kerangas.

White-breasted Wood-Swallow *Artamus leucorhynchus* Cf,C
Occasionally seen around cultivated areas along the Sekonyer river (at Tanjung Harapan), but most common along the coast, near open areas. On 23 August 1 fledged young was being attended by 2 adults, in coastal fringe vegetation.

Long-tailed Shrike *Lanius schach* C

Not actually recorded within the park, but common in the scrubland around the town of Kumai. It is likely that this species occurs in similar habitats within the park.

Bornean Bristlehead *Pityriasis gymnocephala* S,K,k,FP

Uncommon. More frequent in the Natai Lengkuas area. Usually encountered in pairs or small groups. One bird was noted in very low scrub at Tanjung Harapan, otherwise all sightings were made in the mid-and upper canopy levels of forest.

On the basis of calls, which had a strong similarity to those of the Black Butcherbird *Cracticus quoyi* in Irian Jaya, we would support the inclusion of this species in the Cracticidae of Australia and New Guinea (see Ahlquist *et al.* 1985).

Philippine Glossy Starling *Aplonis panayensis* S,Cf,C

Common, but local. A large evening roost of several hundred birds was present in the coconut plantations of Teluk Pulai, with many immature birds evident, on 18-23 August.

Hill Myna *Gracula religiosa* S,K,k,FP,L,G

Common in the Natai Lengkuas are. A pair was seen exploring a tree cavity on 3 June, in riverine forest edge. Single birds were seen exiting separate nest cavities on 14 and 23 June, in riverine forest.

Plain Sunbird *Anthreptes simplex* S,K

Common in inland forest areas, preferring kerangas. A juvenile with fresh feathers was netted on 2 July.

Brown-throated Sunbird *Anthreptes malacensis*

S,K,k,FP,L,Cf,G,C.

Common in edge habitats and scrub. A nest with 2 eggs was found on 23 May. Both eggs hatched on 7 June, and fledged on 22 June. A nest was found on 1 July, possibly still under construction. Both these nests were on the edge of a ladang. On 20 July a juvenile was seen begging food. Juveniles were netted between 2 and 22 August.

Red-throated Sunbird *Anthreptes rhodolaema* S,K,FP

Uncommon, in clearings and scrub. A nest was found on 11 June, and it appeared that only the female builds the nest, with the male occasionally inspecting it. The male displayed to the female at the nest, by pointing its head downwards, its tail up, while lowering its wings and uttering high-pitched trills. Thompson (1966) believed that *A. rhodolaema* and *A. malacensis* may be allopatric, but this

rhodolaema nest was less than 50m away from an active *malacensis* nest, disproving the hypothesis.

Ruby-cheeked Sunbird *Anthreptes singalensis* S,K,k,FP,Cf
Common, as a forest edge and clearing species. On 28 June a female was seen building a nest in kerangas edge. Juveniles were netted on 18 June and 27 July.

Purple-naped Sunbird *Hypogramma hypogrammicum* S,K
Common in inland forests. Juveniles were netted on 11 and 30 August.

Purple-throated Sunbird *Nectarinia sperata* S,K,k,FP,G
Common in edge and scrub habitats. Juveniles were netted on 3 and 6 August.

Copper-throated Sunbird *Nectarina calcostetha* Cf
Common, but only in association with nipa-mangrove vegetation.

Olive-backed Sunbird *Nectarina jugularis* FP,Cf,G,C
Common in scrub and fire-padang. Juveniles was netted on 2 and 6 August.

Crimson Sunbird *Aethopyga siparaja* S,k,FP,G
Common in scrub and fire-padang. A juvenile was netted on 26 June.

Little Spiderhunter *Arachnothera longirostra* S,K,k,FP,Cf,G
Very common in most areas. Juveniles were netted between 20 July and 6 August.

Thick-billed Spiderhunter *Arachnothera crassisorstris* S
Occasionally recorded in the Natai Lengkuas area.

Long-billed Spiderhunter *Arachnothera robusta* S
Only recorded once in swamp forest on 2 August. This species was probably overlooked.

Spectacled Spiderhunter *Arachnothera flavigaster* S
Occasionally recorded in the Natai Lengkuas area.

Yellow-eared Spiderhunter *Arachnothera chrysogenys* S
Uncommon, in forests around Natai Lengkuas. A juvenile was netted on 13 June.

Scarlet-breasted Flowerpecker *Prionochilus thoracicus*
S,k,FP
Uncommon, mostly observed in scrub habitats. Juveniles were netted on 14 and 20 July.

Yellow-breasted Flowerpecker *Prionochilus maculatus*
S,K,k,FP,G

Very common, in forest edge habitats as well as closed forest. Juveniles were netted between 23 May and 29 August.

Crimson-breasted Flowerpecker *Prionochilus percussus* K,k,FP
Uncommon, mostly observed in scrub habitats. Juveniles were netted on 20 and 27 July.

Yellow-vented Flowerpecker *Dicaeum chrysorrheum* S,L
Recorded only once at the edge of riparian swamp forest at Natai Lengkuas on 22 May.

Orange-bellied Flowerpecker *Dicaeum trigonostigma* S,K,k,FP,L,Cf,G.
Common as an edge species. A juvenile was seen on 22 May and juveniles were netted between 23 May and 17 July.

Plain Flowerpecker *Dicaeum concolor* FP
Recorded only in one locality, Tanjung Harapan, in open scrub, but this species is easily overlooked.

Scarlet-backed Flowerpecker *Dicaeum cruentatum* FP
Common in scrub habitats.

Scarlet-headed Flowerpecker *Dicaeum trochileum* S,FP
Uncommon but widespread in edge habitats. This appears to be the western limit of its presently recorded range in Kalimantan.

Javan White-Eye *Zosterops flava* Cf
Local, common in the coastal fringe vegetation of Teluk Pulai. On 21 August a fledged young was seen begging food from an adult. A juvenile was netted on 23 August. A few birds were heard at Tanjung Kubu (west side of Kumai Bay) on 8 Sept.

Dusky Munia *Lonchura fuscans* S,k,FP,L,G,C
Common in grassy areas, One bird seen carrying nest materials on 17 June. Nests were found on 2, 9 and 21 August, with birds seen existing the nests.

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Present Address:

Department of Geology, Royal Ontario Museum, 100 Queen's Park, Toronto, Ontario, Canada M5S 2C6.

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