

Wallacea

Sangihe, Sulawesi and Halmahera

25/8-24/9 2006



Ochre-bellied Hawk-Owl, Tangkoko ©Markus Lagerqvist

A trip report by Markus Lagerqvist

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Introduction

The islands between Borneo and New Guinea form a bridge between Oriental and Australian avifauna. The region is often called Wallacea after the English 19th century explorer Alfred Russel Wallace. Wallace traveled extensively through the Indonesian archipelago, collecting 125,000 specimens on 60 separate journeys. He discovered that a dividing line between the two biological zones could be drawn east of Borneo and Bali – a division today known as Wallace’s Line. You can read about these fascinating journeys in his book *“The Malay Archipelago”*.

The region today known as Wallacea consists of three distinct subregions; Sulawesi, the Lesser Sundas and the Moluccas. On this trip we visited Sulawesi, including the island of Sangihe, and Halmahera in the Northern Moluccas. These three islands together hold 122 of the 249 bird species endemic to Wallacea. These include many highly sought after species like the amazing Wallace’s Standardwing on Halmahera, the enigmatic and elusive Geomalia on Sulawesi and the beautiful and recently rediscovered Cerulean Paradise-Flycatcher on Sangihe.

Apart from myself, our group consisted of fellow Swedish birder Henrik Lind, Paul Noakes and Chris McGuigan from the UK and Lorand “Lori” Szucz from Hungary.

Apart from the first week, which was not pre-arranged, the trip was organized by Manado Safaris in Manado.

This report consists of three parts; a diary, a summary with a few recommendations and notes on costs and contact details and finally a trip list of all the bird species recorded – all in all 263 species.

If you have any questions, please don’t hesitate to contact me at markus.lagerqvist@usa.net

Itinerary

25/8-26/8	-Manado
27/8	-Sangihe
28/8-31/8	Sangihe (Gunung Sahengbalira/Talawid)
1/9	Sangihe-
2/9	-Manado-Tangkoko Batu Angus Reserve
3/9-4/9	Tangkoko Batu Angus Reserve
5/9	Tangkoko Batu Angus Res.-Manado-Ternate-Sidangoli (Kali Batu Putih)
6/9	Sidangoli (Dase Hill)-Tobelo (Galela)
7/9	Tobelo-Daru-Foli
8/9	Foli-Daru-Sidangoli
9/9	Sidangoli (Dase Hill/Kali Batu Putih)
10/9	Sidangoli-Ternate-Manado-Kotamobagu
11/9	Kotamobagu (Gunung Ambang Reserve)
12/9	Kotamobagu-Duloduo (Bogani Nani Waterbone NP)
13/9-14/9	Duloduo (Bogani Nani Waterbone NP)
15/9	Duloduo (Bogani Nani Waterbone NP)-Manado
16/9	Manado-Makassar (Karaenta)-Palu-Wuasa (Lore Lindu NP)
17/9-20/9	Wuasa (Lore Lindu NP)
21/9	Wuasa (Lore Lindu NP)-Palu
22/9	Palu (Bora/Oloboju River)-Manado
23/9-24/9	Manado-

Diary

25-26/8 -Manado

An early start; wake-up at 3.30 to catch the morning flight from Gothenburg to London Heathrow for a five hour wait for the Qantas flight to Singapore. Arriving late in Singapore we only had 40 minutes before the Silk Air flight to Manado left and were driven to the gate in an airport car. We made it in time and me and Henrik arrived at Sam Ratulangi airport, Manado midday Saturday where we met up with Lori.

Here our troubles begun. My check-in luggage arrived, but Henrik's didn't and we had to spend a couple of hours at the airport. The friendly Silk Air personnel did all they could to help us and soon found out that the bag never left Heathrow. Since we were planning to spend the first week on Sangihe we had to buy medicines and clothes for Henrik. The Silk Air personnel drove us to a shopping mall and from there we took a taxi to the harbour to catch the overnight ferry to Tahuna, Sangihe.

We had been advised to get a private cabin and not travel economy class, but when we arrived at the ticket office all cabins were already booked. After a vote (2 against 1) we decided to go anyway and booked three economy class tickets. When traveling economy class you spend the night with about 120 fellow travelers in a hot and cramped sleeping deck. Needless to say I didn't get any sleep that night.

27/8 -Tahuna-Lelipang, Sangihe

After 45 hours of traveling (!) we finally arrived in Tahuna 5.45 on Sunday morning. Here we took a mini bus taxi to the Rainbow Losmen in the village Lelipang Binala about 1.5 hours drive from Tahuna (cost IDR 300,000).

At the Losmen we were welcomed by Wesley Pangimangen and together we made plans for the coming days over a cup of coffee and enjoyed good views of our first endemic – **Yellow-sided Flowerpecker**. By this time it was beginning to rain heavily and we spent most of the day resting and getting organized. Late in the afternoon the rain subsided somewhat and we walked to a stake-out for **Sangihe Hanging-Parrot** close-by. We saw three or four parrots but the rain soon got heavier again and we headed back to the losmen, seeing a **Lilac Kingfisher** of the colourful endemic race *sanghirensis* on the way.

At 18.30 it had stopped raining and we went out with Wesley again in search of **Sangihe Scops-Owl**. We soon heard one, behind a house in the village and within a few minutes it came in to Wesley's imitation, staring down at us from a bare branch just above our heads – a very smart Scops-Owl with pale, only faintly streaked under-parts. Back at the losmen Wesley's mother had prepared a nice dinner which we enjoyed before going to bed, very, very tired but happy with our first taste of Wallacea.

28/8 Gunung Sahengbalira, Sangihe

Our first full day of birding and the day we expected to see one of our most wanted species – the recently re-discovered and exquisitely beautiful Cerulean Paradise-Flycatcher.

Wesley is *the* expert on the birds of Sangihe and has singlehandedly discovered 21 Paradise-Flycatcher territories. We had breakfast at 5.30 and then headed out on the trails up Gunung Sahengbalira. The species frequents forest adjacent to mountain creeks and it was a strenuous two hour hike on steep, rocky and slippery trails to reach the most accessible territory. On the way up I even stepped on a black snake, but it seemed more scared than me and quickly crawled off. Well at the site we positioned ourselves strategically waited for the bird to show up. During the day we heard it calling several times, but despite a five-hour wait only Lori managed to get at decent, but brief look at it. Me and Henrik only got a glimpse of its tail and belly! The last hour, rain was pouring down and we walked back to the losmen in the dark on the now even more slippery trails. Not a very smart move and Henrik fell badly and hurt his knee. What a start!

29/8 Talawid, Sangihe

After yesterday's tough birding we decided to do some lowland birding to give Henrik's knee a chance to get better. We had breakfast at 4.30, while the rain was pouring down outside, then drove down to Talawid, where it was dry and sunny!

Talawid is a plantation with mainly coconut palms, nutmeg and Indonesian cabbage, mixed with some other vegetation. Our main targets were Red-bellied and Hooded Pitta – both species represented by endemic subspecies on Sangihe. The Red-bellied subspecies *caeruleitorques* with a distinct stuttering call that differs from all other subspecies. Birding was tough but we finally got decent views of **Hooded Pitta**, but only managed to hear the Red-bellied. Other species seen included **Pied** and **Elegant Imperial-Pigeon**, **Lilac Kingfisher**, **Back-naped Fruit-Dove** and several more **Sangihe Hanging-Parrots**.

We then headed to Tahuna to reserve ferry tickets for our return (private cabins!), buy beer and check our e-mail before heading back to the Rainbow Losmen. So far we had recorded a meager 29 species in two and a half days of birding!

30/8 Gunung Sahengbalira, Sangihe

Today our aim was to look for the high altitude endemics on the ridge of Gunung Sahengbalira. Unfortunately Henrik's knee was still not well, so he opted to stay behind at the losmen.

Lori and me had breakfast at 4.30, then took a motorcycle the first kilometers, before heading up the trails. Our first target was the beautiful **Elegant Sunbird**, which was easily found en route. After a 2.5 hour walk we reached the ridge at about 900 meters above sea level.

We didn't see the **Sangihe Shrike-Thrush** at the first stake-out, but soon enjoyed close-up views a bit further on as well as very good views of **Lilac Kingfisher**. We also encountered a huge green viper which Wesley had to remove from the trail, and a few large poisonous centipedes. Our next target, **Golden Bulbul** of the very distinct endemic subspecies *platenae* (a likely split), proved more difficult. We heard it several times but only managed to get brief flight views. Since we had several hours of daylight left Wesley suggested that we could try to get better views of the **Celestial Paradise-Flycatcher** in another territory. To get there we had to follow an old trail that hadn't been used in a long time and was totally overgrown and difficult to find even for Wesley. It was also very, very steep – at parts almost vertical – and we had to climb and hold on to roots and branches to keep our balance. Very hard work indeed!

Well at the site it proved to be well worth all the effort – we only had to wait a few minutes before two birds appeared, one of them showing off its radiant celestial plumage in the sunlight. What an end to a fantastic day!

31/8 Gunung Sahengbalira, Sangihe

Since Lori had seen the Flycatcher the first day he had booked tickets back to Manado earlier than me and Henrik and left in the morning. Henrik's knee now felt better and he decided to give the Flycatcher a new try at the second site. Despite having seen the bird well I eventually decided to accompany him, since I had nothing better to do and it was a beautiful sunny morning, so after a 4.30 breakfast we headed up the mountain again.

En route we enjoyed nice views of **Elegant Sunbird**, but as soon as we arrived at the site for the Flycatcher it started to rain very heavily. Since I hadn't brought either umbrella or rain clothes I tried to take shelter but within minutes I was soaking wet all through and started to freeze. Since I didn't want to risk getting a cold I decided to walk back down to the lodge and wished Henrik and Wesley good luck.

I spent the rest of the day relaxing at the losmen and entertaining the school kids in the village who wanted to practice their English skills on me! Henrik and Wesley stayed out all day and didn't come back until after dark, but never saw the bird...

1/9 Sangihe-Manado

Sleep-in, breakfast at 7.00, we then relaxed with Wesley, listening to Mariah Carey singing "Oh Holy Night" over and over again and watching "Cannibal Holocaust" on DVD. Bizarre!

We then headed down to Tahuna, made a few errands, had dinner and then caught the night ferry to Manado. This time we had a private cabin and were able to actually sleep through the night!

2/9 Manado-Tangkoko DuaSaudara

At 5.00 the ferry arrived at Manado and Henrik finally got his bag back! We headed in to town where we had breakfast and then tried to withdraw cash from a couple of ATM's. It didn't work so we drove to the airport where the ATM's are more reliable. We then headed to Mama Roo's home stay just outside the Tangkoko DuaSaudara Reserve a 1.5 hour drive from Manado where we met up with Lori again, as well as the local guide – Untu Baware.

After a delicate lunch we enjoyed good views of **Ruddy Kingfisher** and **Pale-blue Monarch** by the small stream just outside the home stay. The Monarch turned out to be a totally different bird from the Black-naped Monarch, a delicate steel-blue gem, lacking the black nape shown in the field guide illustration.

At 16.00 Chris and Paul arrived straight from the airport. We didn't want to waste any time and used the last hours of daylight taking a boat to the coastal mangroves looking for **Black-billed Kingfisher**. We soon found one, as well as another **Ruddy Kingfisher** of the resident race *rufa* and a **Common Kingfisher** of the race *hispidoides* – a very different bird from the European ones – and a **White-rumped Cuckoo-shrike**. On the way back we spotlighted a couple of **Sulawesi Owls** on a coastal cliff side. Minahassa Owl has also been claimed from this roost, but those sightings refer to misidentified Sulawesi Owls.



Green-backed Kingfisher, Tangkoko ©Paul Noakes

3/9 Tangkoko DuaSaudara

Since Tangkoko is kingfisher heaven, we had our targets for the morning clear; **Green-backed** and **Lilac Kingfisher** turned out to be easily found, as well as a very obliging, and very handsome, **Rusty-backed Thrush**, jumping around on the ground close to the park entrance.

Sulawesi Kingfisher turned out to be more of a challenge and it took quite some searching before Untu finally found a pair of this attractive species, also giving us close-up views. While searching for the kingfisher we also found two **Ochre-bellied Hawk-Owls** at day roost. Other birds seen during the morning in the dry and hot lowland forest included **Purple-winged Roller**, **Bay Coucal** and **White-necked Myna**.

Apart from lots of rain and steep, slippery trails the week on had Sangihe also tested our stamina with aggressive chiggers. Both me and Henrik got our share and especially for Henrik it started to become a serious problem since the wounds around his wrists had become badly infected, also affecting his general health, making him run out of steam even from easy lowland birding.

This was especially bad news since we had planned to make a trek up Gunung Tangkoko for the much sought-after Scaly Kingfisher in the afternoon. In the end Henrik decided that he had to start taking antibiotics and take it easy for a few days, not to jeopardize the rest of the trip.

So, after another good lunch me, Chris, Paul and Lori started the walk up the mountain, accompanied by Untu and a couple of porters. It was a hot, but not too strenuous, 2.5 hour walk up to the campsite.

When we arrived we had about one hour of daylight left which we spent looking for the kingfisher, but without luck. Untu told us that none of the last three birding groups he had taken up here had found the bird, so we definitely needed a lot of luck! We did get one new species that afternoon, a **Sulawesi Hawk-Eagle** that came flying in, perching nicely in a tree for us.

Our camp was as simple as possible – just a tarpaulin spread out on the ground and ground sheets to sleep on. Before going to sleep we had a simple dinner and a cup of coffee with sweet condensed milk. Sleeping up here was actually better than down at the hot, sticky rooms at Mama Roo's!



Spectral Tarsier, Gunung Tangkoko ©Paul Noakes

4/9 Tangkoko DuaSaudara

Waking up at dawn we had a quick breakfast, accompanied by a **Hooded Pitta** jumping around the campsite, before we headed up to the mossy forest on the ridge, at about 1,100 meters above sea-level.

Up at the ridge we saw our first **Sulawesi Myzomela**, a **Sulawesi Kingfisher**, **Sulawesi Drongo** and also heard a Spot-tailed Goshawk calling. On the way down to the camp again Untu finally spotted a splendid male **Scaly Kingfisher**, sitting in a low bush just by the trail! It stayed put long enough for us to savour its deep velvety blue head and profusely scaled breast and even get a few record shots. The bird of the trip for me! It was thus with light steps we broke camp and walked back down to Mama Roo's, enjoying more views of **Rusty-backed Thrush** on the way.

In the late afternoon we took a short walk to an open, grassy area bordering the forest. At dusk we got brief but close views of a **Sulawesi Nightjar** and really good views of **Sulawesi Scops-Owl**.



Scaly Kingfisher, Gunung Tangkoko ©Markus Lagerqvist

5/9 Tangkoko-Manado-Ternate-Sidangoli (Kali Batu Putih)

Our last morning in Tangkoko and a few target species to go, we decided to do roadside birding from a lookout on the way to Manado, which is a good spot for parrots, hornbills, pigeons and accipiters.

New species recorded during the morning included **White-bellied Imperial-Pigeon**, **Golden-mantled Racquet-tail**, **Sulawesi Hanging-Parrot** and **Sulawesi Hornbill**, but no accipiters.

Back at Manado we stopped to buy some medicines Henrik before heading to the airport to catch the flight to Ternate. At the airport we met Niny from Manado Safari's who were to accompany us on the Halmahera leg of the trip to handle all the logistics for us.

At Ternate we took a taxi boat to Sidangoli, seeing two **Bulwer's Petrels** from the boat. In Sidangoli we were met by the local guide Anu, with two large cars and drivers, who took us to a nearby hostel – the Sidangoli Indah – where we had dinner. We then drove to the logging road at Kali Batu Putih, about 30 minutes away, where we quickly found a calling **Moluccan Scops-Owl** which gave us good looks. We then walked into the forest about 1 km to a clearing where Anu had built a small house, and had plans to build a birder's lodge. Here we ended our first night on Halmahera with good looks of the weird **Moluccan Owlet-Nightjar**.



Wallace's Standardwing at lek, Dase Hill ©Paul Noakes

6/9 Sidangoli (Kali Batu Putih/Dase Hill)-Tobelo (Galela)

We had a very early breakfast at 2.45 before driving back to Kali Batu Putih, where we walked back to Anu's clearing, then continued for about 1.5 hours to the Standard-wing lek at Dase Hill. Along the trail we spot-lighted several **Spectacled Monarchs** and a pair of **Shining Flycatchers**.

Well at Dase Hill we positioned ourselves on a slope waiting for the Standard-wings to begin their show. At dawn we heard the first birds calling and soon we had about four male **Wallace's Standard-wings** displaying above our heads – a truly spectacular experience! At the site we also saw a **Common Paradise-Flycatcher** and heard Sombre Kingfisher and Chattering Lory, but both refused to show themselves to us. Walking back to the logging road, birding along the trail, we found a beautiful **White-naped Monarch**. We then headed straight back to the hotel, picking up our bags and driving to Tobelo four hours away. Since we left Sidangoli a bit later than planned we didn't do any birding en route, except stopping for a couple of times when spotting a glistening **Blue-and-white Kingfisher** from the car, also picking up **Goliath Coucal** at one of the spots.

In Tobelo we checked in at a cheap hotel, since we had a limited amount of cash. The rooms looked more like dodgy prison cells than hotel rooms so we were glad we only had to spend one night there.

After putting our bags in our rooms we drove straight to Galela, north of Tobelo. Well there we visited the village headman to pay for our permits to visit the black sand beach that is one of the last breeding grounds for the endangered **Moluccan Scrubfowl**.

To see the scrubfowl you just sit at the edge of the beach and wait for the birds to come in. We had to wait until ten until we got good views of a bird – definitely one of the most handsome of the scrubfowls. Back at the hotel I couldn't get my door opened and it took almost an hour before the hotel personnel finally managed to break it open and I didn't get to bed until midnight.



Blue-and-white Kingfisher, Sidangoli-Daru ©Markus Lagerqvist

7/9 Tobelo-Daru-Foli

No early birding this morning, instead we headed straight to Daru for the crossing to Foli. We had arranged for a boat but the one waiting was too small for us so Niny had to go by herself to get a new boat from Foli which resulted in a long wait which we spent drinking coffee and eating Tango biscuits at the veranda of a friendly local shop owner.

After a couple of hours wait we were finally on our way and on the crossing we saw a single **Brown Booby**, at least a hundred **Red-necked Phalaropes**, lots of **Bridled Terns** and **Common Terns** of the *longipennis* race and also managed to positively id at least a couple of **Aleutian Terns**. At the beach in Foli we saw a single **Great Knot**.

In Foli we made ourselves at home at the house of Anu's first wife and had lunch before going by motorcycle to km 7 at the old logging road to finally do some birding. By now it was mid afternoon, very hot and the birding rather slow, but after a short rain shower the activity picked up and we had a very productive couple of hours birding. Good species included a single **Paradise Crow** – the only one we saw – all the endemic doves, including **Great Cuckoo-Dove**, **White-eyed Imperial-Pigeon**, fantastic close-up views of **Scarlet-breasted Fruit-Dove** and not so good views of **Blue-capped Fruit-Dove**.

Foli also lived up to its reputation as a good site for parrots and **Violet-necked Lory**, **Red-flanked Lorikeet**, **Red-cheeked Parrot**, **Eclectus Parrot** and smashing-looking **Great-billed Parrots** were easily found. Other good species seen included **Moluccan Cuckoo-shrike**, **Halmahera Cuckoo-shrike**, **Moluccan Flycatcher**, **Drab Whistler** and **Halmahera Oriole**.

Foli is also a good place to see **Moluccan Hawk-Owl** and before dusk we positioned ourselves at a stake-out. After a short while it started to rain lightly and Anu quickly decided that it was no use staying and headed back to the house accompanied by Chris, Henrik and Niny. Me, Paul and Lori decided to wait out the rain and have a go at the owl anyway – a strategy which was rewarded with good views of the owl.

8/9 Foli-Daru-Sidangoli

Breakfast at 5.15, then motorcycle to km 2 at the old logging road to look for one of the most sought after species on Halmahera – the **Purple Roller**. To get to the stake-out where the birds are often seen in the morning you walk about 1.5 km on a small trail to an open area. Well at the site we only had to wait a few minutes before at least four rollers put on a fantastic show for us, flying around for a while before finally perching at the top of a dead tree. At the site we also saw several **Dollarbirds** which gave us the opportunity to make direct comparisons between the two species. Along the trail we saw a delicate **Cream-throated White-eye** and a **White-streaked Friarbird**. We then headed back to the house and had lunch and a rest while waiting for our boat to arrive. On the crossing back we added **Black Noddy** to our tern list. Back at Daru we took a quick coffee and then headed back to Sidangoli, making a late afternoon stop at a lookout close to Kali Batu Putih where we added **Moluccan Goshawk** and **Chattering Lory** to our Halmahera list.



Halmahera Oriole, Foli ©Markus Lagerqvist

9/9 Sidangoli (Kali Batu Putih)

Our last full day on Halmahera and we still hadn't seen Sombre Kingfisher and Paul and me also needed Ivory-breasted Pitta. We had decided to meet up with Anu at 6.00 but he was nowhere to be found so we headed out on the trail towards Dase Hill on our own while Niny went to look for Anu.

We spent a good part of the morning looking for **Sombre Kingfisher** until Lori finally managed to spot one high up in a tree that gave us prolonged views.

We then tried to for **Ivory-breasted Pitta** at a couple of sites but without luck. Since the rest of the group had seen the species the first morning Paul and me walked into the forest ourselves to sneak up on a calling individual. First we both got brief views of it perched high up and then it came in flying just past us, flashing its radiant turquoise wing-patches. What a relief to finally have these two mega-endemics in the bag for the whole group!

Close to the clearing Chris, Henrik and Lori went after another Ivory-breasted Pitta, but ended up flushing a couple of **Dusky Scrubfowl** that flew up and perched in a nearby tree. Back at the clearing we saw a **Gray-chinned Goshawk** and finally caught up with Anu who said he'd had a headache in the morning! The afternoon was spent along the logging road looking for Flame-breasted Flowerpecker and Variable Kingfisher but without luck. Anu was very lacking in interest and kept to himself most of the time. According to Niny he often gets like that the last day with a birding group.



White-naped Monarch, Kali Patu Putih ©Paul Noakes

Before going back to the hotel we made a last try for Moluccan Scops-Owl since Chris and Henrik had missed out in Foli but the species is difficult to see at Kali Batu Putih and heavy rain didn't help so we gave up and drove back to have dinner at the hotel and arrange payments with Anu.

A very grumpy Anu really lived up to his bad reputation and before the evening was over and everything finally had been settled he'd called poor Niny both pig and dog and told her never to come back to Halmahera again!

10/9 Sidangoli-Ternate-Manado-Kotamobagu

Since the flight to Manado didn't leave until midday we decided to spend the morning at the lookout where everyone finally managed to get decent views of **Moluccan Hanging-Parrot**.

At 9.30 we headed back to Sidangoli to pick up our bags before heading to the harbour for an uneventful crossing to Ternate. Well at Manado airport we were met by our guide for the coming two weeks – Royke Mananta. We drove to Manado to buy sandals for Henrik and check our e-mail before driving to Kotamobagu, five hours away.

After two weeks without a shower it was fantastic to check in at a proper hotel for a couple of nights!

11/9 Kotamobagu (Gunung Ambang)

Breakfast at 4.45 before driving to the foot of Gunung Ambang. To get to the shrinking forest left at the top you walk about 15 minutes through agricultural lands. Well in the forest we soon found our target – the very localized **Matinan Flycatcher**. The bird was rather on-cooperative though, and me and Paul only got brief unsatisfactory views, so we continued searching a couple of hours before we found another individual higher up, which gave us excellent views of what turned out to be a surprisingly distinct and attractive flycatcher!

Other species recorded at the site included **Sulawesi Leaf-Warbler**, **Rusty-flanked Fantail**, **Olive-flanked** and **Sulphur-bellied Whistler**, **Sulawesi Myzomela**, **Streak-headed White-eye** and a beautiful **Crimson-crowned Flowerpecker**, which turned out to be the only male we got decent views of on the whole trip! We also saw a blackish forest rail quickly running away on the forest floor before we had had a chance to id it. Maybe a Bare-faced Rail...?

Chris was struggling though, feeling light-headed and experiencing pain spreading down his leg; the effects of a spider bite he got the previous day. We thus headed back to the hotel for lunch and a couple of hours rest.

Late afternoon we drove to the village Singsingon one hour's drive away on the other side of Gunung Ambang, picking up the local ranger Julius. We then walked to the forest edge arriving at 17.00 and positioning us at the site for the elusive and recently discovered **Cinnabar Hawk-Owl**. At 17.45 we heard the first owl calling. We tried to attract it with playback – it probably came in close but we couldn't see it in the dense vegetation and then it seemed to lose interest in us. By now several individuals were calling and we kept trying but the species seemed difficult to get into view.

But after another 30 minutes we were lucky to find a bird that was hawking for moths from an exposed dead tree branch not too high up. One of my most wanted birds and a fantastic looking, deep-rufous smallish owl – very different from other *Ninox* owls.

Back at the hotel we were served an exuberant buffet style dinner before we tumbled into bed.

12/9 Kotamobagu-Tambun-Doloduo (Bogani Nani Waterbone NP)

Today's main target was the odd-looking Maleo – the most famous bird of Sulawesi. To get to the breeding ground at Tambun, about an hour's drive away we had another early breakfast at 3.45.

Arriving at the breeding site we found that the gate was locked and Royke had to drive to the nearby village to find a ranger with a key. When we finally got inside we positioned ourselves and waited quietly for the birds to fly out from the forest down to the breeding grounds. Unfortunately they didn't want to co-operate and we only heard a bird calling from within the forest. Royke told us that the species was getting more and more difficult at the site and that a couple of groups recently had failed to find the bird despite several days at the site. We did see a couple of **Maroon-chinned Fruit-Doves** and a **Purple-winged Roller**.

We then drove to Tante Min's guesthouse in the small village of Doloduo, our home for the coming days, arriving at 11.00. Tante Min prepared us a huge amount of excellent food which we devoured before having a rest until 15.00 when we headed to the old lodge at Toraut. On route we made a brief stop at a nearby pond, seeing nothing special.

The lodge at Toraut was closed a few years ago after a conflict between the local rangers and management, and one of the buildings was burnt. It's a real pity since it's a very handsome and well-built lodge that is now left to decay. The same thing is happening to a lot of the infrastructure around the national park, and the park itself is also under heavy pressure from local subsistence farmers and gold miners. To enter the park we had to be accompanied by one of the local rangers – Ijong. The only new birds seen were **Ornate Lorikeet** and **Spotted Harrier**. At dusk we located a Speckled Hawk-Owl that responded well to tape and came in to a tree right above our heads. Unfortunately we didn't manage to see the bird before it flew off again so we drove back to Tante Min's for dinner.

13/9 Doloduo (Bogani Nani Waterbone NP)

Since Maleo seemed very difficult at Tambun we decided to try an alternative breeding site at Muara Puisan, 1.5 hour's drive from Doloduo. To get there in time we had breakfast at 2.45!

The last part of the way we had to walk due to a small landslide and we arrived at 5.00, positioning us at the river bank, three persons in the small watch tower and the others on the ground. We waited quietly until 8.00, but saw no sign of the Maleo. A couple of Sulawesi Hawk-Cuckoos were calling nearby, but we made no attempt to see them since we didn't want risk disturbing the Maleos.

When it became apparent that no Maleo would show up we spent some time birding along the river, seeing **Sulawesi Serpent-Eagle**, **Sulawesi Hawk-Eagle**, **Pygmy Hanging-Parrot**, **White-backed Woodswallow** and getting distant views of **Pied Cuckoo-shrike** and **Sulawesi Myna**.

We then headed back to the hot and sticky guesthouse for lunch before going back to Toraut at 14.45. At the river we saw **Sunda Teal** and along the trail Ijong found a **Sulawesi Goshawk** perched in a tree. After dusk we spent 1.5 hours trying for **Speckled Hawk-Owl**, but again without luck. Back at the old lodge we made a final try with the tape and immediately got a response! In the more open terrain around the lodge we soon got excellent views of this very smart-looking hawk-owl, even though it was difficult to enjoy any longer views due to the hordes of aggressive gigantic bees that came in as soon as we turned on our flash-lights!

At dinner we got an unexpected visit from an angry Ijong who smashed Tante Mim's glass table with his machete and told Royke that he was not welcome back to the park! Royke said he didn't understand what had happened but apparently Ijong wanted to decide more about the guiding, not being told by Royke where to go and what to do.

14/9 Doloduo (Bogani Nani Waterbone NP)

After another very early breakfast at 3.15 we drove back to Tambun, 45 minutes away, to try for the **Maleo** again. We tried the same strategy as the first morning, waiting for the birds to fly out, but only Henrik managed to get brief views of a bird perched briefly in a tree.

We then took a walk in the forest surrounding the breeding grounds with a local ranger and managed to flush a bird which we then relocated perched up in a tree and actually gave us prolonged view. What a relief!

After another of Tante Min's first-rate lunches we spend the afternoon doing roadside birding at Tapakolintang, close to the village of Matayangan, accompanied by a new ranger – Oji. He turned out to be a much better guide than Ijong and the birding was good – we got excellent views of several **Sulawesi Hornbills** and both **White-necked** and **Sulawesi Myna**.

15/9 Doloduo (Bogani Nani Waterbone NP)-Manado

At 5.00 we left Tante Min's and drove to Oji's house at Pos Kosinggolan where we quickly found a handful of **Isabelline Bush-hens** right by the house, giving us fantastic views. The area seemed very good for rail with **Barred** and **Buff-banded Rail** also seen and in a nearby wet area we saw at least 15 **Greater Painted-snipes** together with a **Swinhoe's Snipe**. Walking a bit further on and crossing a river we found two **Pied Cuckoo-shrikes** together with a few **Sulawesi Mynas** in a distant tree. After about an hour's birding it started to rain quite heavily and we headed back to the car, enjoying close views of a **Peregrine Falcon** of the very dark *ernesti* subspecies hunting for Painted-snipes.

Back at Tante Min's we had a very early lunch at 9.30 while waiting out the rain. We then headed back with Oji to Tapakolintang for some roadside birding. We finally got really good views of the striking **Pied Cuckoo-shrike** and also added **Cerulean Cuckoo-shrike** and **White-rumped Triller** to the family list. Content with the morning we started the six hour drive back to Manado arriving at 17.50. We ended the day at a fancy sea-food restaurant down by the waterfront.



Sulawesi Serpent-Eagle, Karaenta Forest ©Markus Lagerqvist

16/9 Manado-Makassar (Karaenta)-Palu-Wuasa

At 5.30 we headed to the airport for the morning flight to Makassar on the southern peninsula. Since we had six hours to kill before our onward flight to Palu we rented a minibus at the airport and headed to Karaenta forest, 50 minutes away, and a reliable site for **Black-ringed White-eye**. Since it was mid-day and very hot, birding activity was low and it took quite some searching before we finally found two birds close to a small water pool. Definitely one of the best looking white-eyes around, with its striking black bandit-mask.

Back at the airport we had lunch at KFC before catching the short flight to Palu where we were met by Royke's wife and son, drivers, cook and two sturdy Toyota Landcruisers. At the Oloboju River on the outskirts of Palu we made a brief stop seeing eight **Savanna Nightjars** hunting at dusk. We then drove on rather bad roads to Wuasa, three hours away.

17/9 Wuasa (Lore Lindu NP)

Breakfast at 5.15, before we left the lodge to do some roadside birding, making our first stop about 30 minutes away. Here we saw **Sulawesi Blue-Flycatcher**, the undescribed *muscipala* **Flycatcher** species (Royke called it 'Ben King Flycatcher') and several **Cerulean Cuckoo-shrikes**. After this soft start to our birding at Lore Lindu it was time to tackle the infamous Anaso Track. It certainly lived up to its reputation and was definitely one of the worst and bumpiest roads I've seen and the 1 hour and 20 minutes drive up to the top was hardly enjoyable! You definitely need a good four wheel drive car to make it. Further obstacles are the two wooden bridges that are now in a rather bad state and might not be passable for long.



Diabolical Nightjar with chick, Anaso Track ©Markus Lagerqvist

At a clearing close to the top Royke found a roosting **Diabolical Nightjar** with a chick, that gave us fantastic views down to a couple of meters. When anyone came too close, the bird opened its snake-like mouth trying to look intimidating! After having seen enough we left the bird alone and went to a stake-out for the perhaps most wanted species at Lore Lindu – the weird *Geomalia*. Royke knew a couple of places where the bird often crosses the track and the strategy is to quietly sit down and wait for the bird to show up. We tried at two different places but without any luck.

We did see some other good birds during the day, including **Chestnut-backed Bush-Warbler** and **Red-eared Fruit Dove**. I was very unlucky with the whistlers though, managing to dip **Olive-flanked** and **Maroon-backed Whistler**, both seen by everyone else in the group!

On the way down we had good views of another spectacular bird – the **Purple-bearded Bee-eater**. The area between the bridges seemed to be a very reliable site for the species.

18/9 Wuasa (Lore Lindu NP)

Today we made an early start, leaving the lodge at 04.00, driving up to the top of Anaso track before dawn to try for Great Shortwing – a species which only sings at early dawn. We did hear several birds but failed to see any of them. We did see **Spot-tailed Goshawk** and the only **Gray-headed Imperial-Pigeons** of the trip.



Geomalia, Anaso Track ©Paul Noakes

We then walked to the **Geomalia** stake-out again and this time we didn't even have to wait for the bird to show up – it was jumping around on the trail when we arrived! We quietly positioned ourselves on the trail and could enjoy the bird hopping closer and closer until it was only a few meters away from us! Definitely one of the highlights of the trip and a breathtaking experience!

I also managed to repair my bad luck with the whistlers from the previous day. The **Olive-flanked** was quite easily found, but the **Maroon-backed Whistler** was rather tricky and could easily be missed. We heard one calling but it stayed hidden in dense tangle, so after a while I climbed in to the tangle alone and sat down on the ground. Within a couple of minutes the bird came in and landed on a branch one and a half meter in front of my face, letting me enjoy its velvety black and deep-maroon plumage – another fantastic experience with a very special and handsome bird!

Walking down to the bridges we had good views of a second **Geomalia** and saw a couple of display-flying **Rufous-bellied Eagles**. Further down we came across a feeding flock containing among others **Pied Cuckoo-shrike**, **Sulawesi Woodpecker** and **Blue-faced Parrotfinch**. The afternoon we spent at Lake Tambin where we saw several Yellowish-and-green Lorikeets before driving back to the lodge at 18.00 for an early dinner.

19/9 Wuasa (Lore Lindu NP)

The main target today was the odd-looking **Sulawesi Thrush**. We began the search along the trail down to Lake Tambin, where the bird had been seen the previous day by another birder. After some search Royke managed to get a glimpse of one but it quickly vanished not to be seen again.



Knobbed Hornbill, Lore Lindu ©Markus Lagerqvist

After a couple of hours we continued walking along the car road towards the beginning of the Anaso Track, picking up **Piping Crow** along the way. We then spent the whole day walking up and down the road searching for the thrush but it was not until late afternoon until Chris finally found two birds following a feeding flock also containing **Malia** and **Pied Cuckoo-shrike** among others. The thrushes seemed very loosely associated with the flock and didn't come in until most of the flock had already passed by so it can pay off to have patience and wait around if you come across feeding-flocks.

Before dusk we drove to the Dongi Dongi IV bridge, where the elusive Sulawesi Woodcock has been seen. As expected we didn't see any woodcocks, but we did get more good views of **Diabolical Nightjar**, silhouette views of the difficult **Sulawesi Hawk-Cuckoo** and brief views of a small accipiter – either Small or Vinous-breasted Sparrowhawk

20/9 Wuasa (Lore Lindu NP)

Another early start at 4.00 to make a new try for the **Great Shortwing**. Again we had several singing, but the problem was to get good views of a shy bird in dense vegetation with a five person group. The first bird we tried for showed itself briefly and Henrik managed to see it ok. We then tried a second bird which Lori managed to see. Me, Chris and Paul walked further on to the other side of the ridge until we found an open gully that seemed perfect. We played the tape and soon a handsome male walked across the gully giving us excellent views!

Very content with the morning we drove down to the place where we saw the *muscipapa* flycatcher the first day, since Paul never saw it, but the birding activity was low and at 14.00 we headed back to the lodge for a couple of hours siesta.



Snowy-browed Flycatcher, Anaso Track ©Markus Lagerqvist

We then drove to the nearby Wuasa forest which was supposedly good for raptors, but after walking through newly burnt fields, listening to the sounds of chainsaws for a while we decided to turn around and have another go at the woodcock at the Dongi Dongi IV bridge. Needless to say we didn't see it

21/9 Wuasa (Lore Lindu NP)-Palu (Bora)-

At 4.00 me, Chris and Paul left the lodge to have a go at the shy Sulawesi Ground-Dove at a staked-out site at the bottom of a gully just past the top of the ridge on the Anaso track. We walked down the steep gully and positioned ourselves and waited, watching out for movements and listening for sounds. We spent a couple of hours in the gully but didn't find our target, but did get fantastic, prolonged views of **Great Shortwing**. We then birded our way down the track without seeing any new species and then drove back to the lode for lunch. Henrik spent the morning around the lodge and Lori went to Wuasa forest where he saw **Pygmy Hanging-Parrot** and the first **Barred Honey-buzzard** of the trip – a species that is normally not that difficult at Lore Lindu.

After lunch we drove back towards Palu making a short stop at Bora village close to Palu. Despite pouring rain we managed to see a small group of **Pale-headed Munias**. Platen's Rail is also possible at the site and Royke had even seen a family group crossing the road on an earlier trip. Back at Palu we checked in at the comfortable Hotel Rama (IDR 110,000/night) before having a nice dinner at Depot Okay.

22/9 Palu (Bora/Oloboju River)-Makassar-Manado

Our last morning of birding and still a few of target species left. We first drove back to Bora where we completed our Cuckoo-shrike list with **White-shouldered Triller** as soon as we stepped out of the cars. We then spread out and birded independently in the area and after some searching most of the group could add **Red-backed Buttonquail**, **Stephen's Dove** and **Barred Honey-buzzard** to the list.

On the way back to Palu we made a short stop at Oloboju River getting good daylight views of the **Savanna Nightjars**. After checking out from our hotel we drove to a nice seaside restaurant to have lunch and kill a few hours before we had to get to the airport for the afternoon flight to Makassar. At the restaurant we voted for the bird of the trip, resulting in the following top five: 1. Wallace's Standardwing, 2. Ivory-breasted Pitta, 3. Maleo, 4. Scaly Kingfisher, 5 Geomalia.

At Makassar we had a long wait since our onward flight was delayed and we didn't arrive in Manado until around midnight.

23/9-24/9 Manado-

Lori caught an early flight to Jakarta for a day's birding on Java while me, Chris, Henrik and Paul caught the afternoon Silk flight to Singapore, then onwards to London. I spent the morning walking around the city, seeing the last bird of the trip – a **Peregrine Falcon** soaring over downtown Manado.

End of trip.

Sites visited

As a whole we were very happy with the itinerary and the logistical arrangements.

Regarding the itinerary we were originally hoping to include **Talaud** (Karakelong Island) during the first week. As we had a lot of rain and were rather unlucky with our first attempt at the Paradise-Flycatcher on Sangihe we could not fit it in, but with a little planning it should be possible to include in a four week trip. Talaud can be reached by ferry from Tahuna and Manado, and also by air from Manado. Wesley from Rainbow Losmen has experience from Talaud and can accompany as a guide to the island. A short stay on the main island of Karakelong should give you a good chance of seeing Talaud Bush-hen, Red-and-Blue Lory (extirpated from Sangihe) and Talaud Kingfisher. To see the recently discovered Talaud Rail you'll need a lot of luck.

On Sangihe all the endemic species can be found at **Gunung Sahengbalira** or the vicinities of the Rainbow Losmen. To see the Red-bellied Pitta and Elegant Imperial-Pigeon you'll need to visit a lowland site like Talawid.

On Sulawesi you'll see the majority of the endemics by just going to **Lore Lindu** and **Tangkoko**, but there are a few species you won't find unless visiting the following sites as well:

Gunung Ambang: Essential if you want to see Cinnabar Hawk-Owl and Matinan Flycatcher.

Bogani Nani Waterbone NP: Most birders go here to see Maleo, however the bird has become increasingly difficult to observe at the traditional site at Tambun. An alternative and easily accessible breeding site in the northern parts of Lore Lindu is an option, which would also give a good chance of seeing Minahassa Owl and Rufous-throated Flycatcher. Other species that are difficult at other sites are Maroon-chinned Fruit-Dove and Pied Cuckoo-shrike. Speckled Hawk-Owl can also be found in Lore Lindu, but might be easier at Toraut.

Karaenta Forest: Essential for Black-masked White-eye.

On Halmahera most species can be found at **Foli**, but Kali Batu Putih is very easily accessible and gives you the chance to see the Standardwing lek at **Dase Hill** – an experience not to be missed.

To see beautiful Moluccan Scrubfowl you'll also need to visit **Galela** beach, which is conveniently located close to Daru, from where you make the crossing to Foli.

Some costs

Accommodation, food, guiding and ground transportation for the Gunung Ambang and Bogani Nani Waterbone leg of the trip cost EUR525 per person.

At Tangkoko we paid Untu IDR 200,000 per day per person for guiding, not including extra charges for the boat trip to the mangroves or the trek up Gunung Tangkoko. A cheaper, but good, alternative for guiding at Tangkoko would be to hire local guide Antry.

Accommodation, food, guiding and ground transportation for the Lore Lindu leg of the trip cost EUR700 per person. The flights Manado-Makassar-Palu-Makassar-Manado cost USD230 per person.

The cost for Halmahera become higher than we had expected, especially the rental cars were very expensive on Halmahera. The flights Manado-Ternate-Manado costs USD166 per person. On Halmahera we had two rental cars for which we paid IDR1,200,000 per car/day. To have Ninny accompany us as guide cost USD125 per person/day + expenses. For Anu's guiding we paid USD 50 per day. According to Manado Safaris rental cars can now be arranged for IDR1,000,000 per day.

The costs for accommodation and guiding on Sangihe were very low compared to both Sulawesi and Halmahera.

Recommended reading

Coates, Brian J.; Bishop, K. David; Gardner, Dana: *"A Guide to the Birds of Wallacea"*, Dove Publications 1997

Ferguson-Lees, James; Christie, David A.: *"Raptors of the World"*, Princeton University Press 2005

Clements, James F.: *"Birds of the World: A Checklist"*, Pica Press 2000 (new edition due March 2007)

Duff, Andrew; Lawson, Ann: *"Mammals of the World: A Checklist"*, A & C Black 2004

Trip reports from www.travellingbirder.com

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Endemic species not encountered

The following 16 species are endemic to Sangihe, mainland Sulawesi and/or the Moluccas, but were not encountered (or looked for) by us:

- **Small Sparrowhawk** (*Accipiter nanus*): We probably saw this species a couple of times at Lore Lindu but were not able to possibly distinguish it from the similar looking Vinous-breasted Sparrowhawk.
- **Rufous-necked Sparrowhawk** (*Accipiter erythrauchen*): A scarce and easily overlooked accipiter, possible at e.g. Kali Batu Putih.
- **Vinous-breasted Sparrowhawk** (*Accipiter rhodogaster*): Scarce and easily overlooked, but present at several sites, e.g. Lore Lindu NP, Gunung Ambang, Bogani Nani Waterbone NP and Karaenta Forest.
- **Platen's Rail** (*Aramidopsis plateni*): An elusive species, possible e.g. at Bora village on the outskirts of Palu and at Bogani Nani Waterbone NP.
- **Bare-faced Rail** (*Gymnocrex rosenbergii*): Another elusive rail, present in Lore Lindu NP.
- **Invisible Rail** (*Habroptila wallacii*): Possible at Foli (same area as the Purple Roller site), but very difficult to observe. Probably favours dense, impenetrable swampy thickets.
- **Sulawesi Woodcock** (*Scolopax celebensis*): Present in Lore Lindu NP but very rarely encountered. Previously recorded at the Dongi Dongi IV bridge and recently at a small stream close to the village of Tomado (see *Kukila*, vol 13, May 2006 for a description).
- **Sulawesi Ground-Dove** (*Gallicolumba tristigmata*): Possible at several sites, e.g. Lore Lindu NP, Bogani Nani Waterbone NP and Gunung Ambang, but shy and difficult to observe.
- **Sombre Pigeon** (*Cryptophaps poecilorrhhoa*) Present along the Anaso Track, but often keeps hidden in the canopy and difficult to observe, the best chance is to see one fly over the track – a matter of luck, or spending enough time at the site.
- **Moluccan Cuckoo** (*Cacomantis heinrichi*): Only known from five specimens collected in high altitude forest on Halmahera and Bacan in 1931.
- **Minahassa Owl** (*Tyto inexpectata*): Very rarely encountered, however during our stay a roost was apparently encountered at Pakuli in the northern part of Lore Lindu NP. Local guide Nurlin Djuni knows the site.
- **Rufous-throated Flycatcher** (*Ficedula rufigula*): A difficult, elusive flycatcher of lowland forest, present in Lore Lindu NP, e.g. at Pakuli.
- **Lompobattang Flycatcher** (*Ficedula bonthaina*): A rare and threatened species only found in the Lompobattang Ranges of the Southern Peninsula, that can be reached from Makassar.

- **Flame-breasted Flowerpecker** (*Dicaeum etyrhrothorax*): Possible at several sites on Halmahera, e.g. Kali Batu Putih and Foli, but scarce and easily missed. However, most birders seem to record one or a few of them. The species seems to be more common on Buru.
- **Sulawesi White-eye** (*Zosterops consobrinorum*): Only found on the Southeast peninsula of Sulawesi, but no birders seem to go for it.
- **Sangihe White-eye** (*Zosterops nehrkorni*): Present at Gunung Sahengbalira but very rare and seldom encountered. A good way to find it could be to camp at the upper camp site, to avoid the long walk up from the Rainbow Losmen, and be at the ridge early morning.
- **Pale-bellied Myna** (*Acridotheres cinereus*): Only found on the Southern Peninsula and might be possible around Makassar, but I've not seen it mentioned in any trip reports.
- **Dusky Friarbird** (*Myzomela obscura*): Easily overlooked and seldom encountered, but possible at Foli.



Rusty-backed Thrush, Tangkoko ©Markus Lagerqvist

Species list

Taxonomy according to James F. Clements "*Birds of the World: A Checklist*" (2000), with subsequent online updates, with the following two exceptions:

¹ Steere's Honey-Buzzard (*Pernis steeri*) of the Philippines split from Barred Honey-Buzzard (*Pernis celebensis*) which thus becomes endemic to Sulawesi.

² Grey-throated Goshawk (*Accipiter griseogularis*) split from Variable Goshawk (*Accipiter hiogaster*). Grey-throated Goshawk becomes endemic to Halmahera, Bacan and Morotai.

Shearwaters and Petrels

Procellariidae

Bulwer's Petrel
5/9, 2 sp, Ternate-Sidangoli crossing

Bulweria bulwerii

Gannets and Boobies

Sulidae

Brown Booby
7/9, 1 sp, Daru-Foli crossing

Sula leucogaster plotus

Frigatebirds

Fregatidae

Great Frigatebird
2/10, 1 sp, Tangkoko
5/10, 2 sp, Ternate

Fregata m. minor

Lesser Frigatebird
2/10, 1 sp, Tangkoko

Fregata a. ariel

Herons, Egrets and Bitterns

Ardeidae

Great-billed Heron
2/10, 2 sp, Tangkoko

Ardea s. sumatrana

Purple Heron
26/9, 1 sp, Manado
12/9, 2 sp, Toraut
13/9, 1 sp, Toraut
14/9, 2 sp, Tambun
15/9, 4 sp, Kosinggolan, Waterbone

Ardea purpurea manilensis

Intermediate Egret
10/9, 1 sp, Manado-Kotamobagu
12/9, 1 sp, Kotamobagu-Tambun

Egretta intermedia plumifera

Little Egret	<i>Egretta garzetta nigripes</i>
12/9, 20+ sp, Kotamobagu-Tambun	
13/9, 1 sp, Doloduo-Muara Puisan, Waterbone	
13/9, 5 sp, Doloduo-Toraut, Waterbone	
14/9, 15 sp, Waterbone area	
15/9, C, Waterbone area	
16/9, 10 sp, Makassar-Karaenta	
22/9, C, Wuasa-Palu	
Pacific Reef-Heron	<i>Egretta s. sacra</i>
29/8, 1 sp, Sangihe	
7/9, 1 sp, Daru-Foli crossing	
2/9, 8 sp, Tangkoko	
Javan Pond-Heron	<i>Ardeola a. speciosa</i>
12/9, 1 sp, Doloduo-Toraut, Waterbone	
12/9, 2 sp, Doloduo-Toraut, Waterbone	
13/9, 6 sp, Waterbone area	
14/9, 6 sp, Waterbone area	
15/9, 2 sp, Doloduo-Manado	
16/9, 5 sp, Makassar	
21/9, 1 sp, Wuasa-Palu	
22/9, 1 sp, Palu	
Cattle Egret	<i>Bubulcus ibis coromandus</i>
5/9, 50+ sp, Tangkoko-Manado	
10/9, 50+ sp, Manado-Kotamobagu	
11/9, 5 sp, Kotamobagu-Gunung Ambang	
12/9, 20+ sp, Waterbone area	
13/9, C, Waterbone area	
14/9, 10 sp, Waterbone area	
15/9, C, Waterbone area/Doloduo-Manado	
16/9, C, Makassar	
20/9, 40+ sp, Wuasa	
22/9, C, Palu area	
Striated Heron	<i>Butorides striata javanicus</i>
2/9, 15 sp, Tangkoko	
Black-crowned Night-Heron	<i>Nycticorax n. nycticorax</i>
15/9, 1 sp, Kosinggolan, Waterbone	
Cinnamon Bittern	<i>Ixobrychus cinnamomeus</i>
13/9, 1 sp, Toraut, Waterbone	
Black Bittern	<i>Ixobrychus f. flavicollis</i>
21/9, 1 sp, Wuasa-Palu	

Ducks, Geese and Swans**Anatidae**

Wandering Whistling-Duck

12/9, 4 sp, Doloduo-Toraut, Waterbone

15/9, 34 sp, Kosinggolan, Waterbone

Dendrocygna a. arcuata

Sunda Teal

13/9, 4 sp, Toraut, Waterbone

15/9, 7 sp, Kosinggolan, Waterbone

*Anas g. gibberifrons***Hawk, Eagles and Kites****Accipitridae****Barred Honey-buzzard¹**

21/9, 1 sp, Wuasa forest, Lore Lindu

22/9, 1-4 sp, Bora village

Pernis celebensis

Black Kite

11/9, 2 sp, Gunung Ambang

Milvus migrans affinis

Brahminy Kite

27/8, 2 sp, Lilipang Binala

29/8, 2 sp, Gunung Sahengbalira

31/8, 2 sp, Gunung Sahengbalira

2/9, 2 sp, Tangkoko

4/9, 1 sp, Tangkoko

5/9, 1 sp, Tangkoko

10/9, 2 sp, Manado-Kotamobagu

12/9, 3 sp, Waterbone area

13/9, 1 sp, Tambun, Waterbone

13/9, 1 sp, Toraut, Waterbone

15/9, 4 sp, Waterbone area

Haliastur indus intermedius

Brahminy Kite

6/9, 1 sp, Sidangoli-Tobelo

7/9, 1 sp, Foli

8/9, 5 sp, Tobelo-Sidangoli

9/9, 3 sp, Kali Batu Putih

10/9, 1 sp, Kali Batu Putih

Haliastur indus girrenera

White-bellied Sea-Eagle

29/8, 1 1st cy, Tahuna

2/9, 1 ad, Tangkoko

5/9, 1 sp, Manado area

6/9, 1 sp, Sidangoli-Tobelo

Haliaeetus leucogaster

Lesser Fish-Eagle

4/9, 1 sp, Tangkoko

22/9, 1 sp, Bora village

Ichthyophaga h. humilis

Sulawesi Serpent-Eagle

13/9, 1 sp, Muara Puisan, Waterbone
13/9, 1 sp, Toraut, Waterbone
14/9, 2 sp, Tambun, Waterbone
16/9, 1 sp, Karaenta forest
18/9, 1 sp, Anaso track, Lore Lindu
19/9, 2 sp, Lore Lindu
20/9, 1 sp, Lore Lindu
21/9, 1 sp, Lore Lindu

Spotted Harrier

12/9, 1 male, Toraut, Waterbone
13/9, 1 sp, Toraut, Waterbone

Sulawesi Goshawk

13/9, 1 sp, Toraut, Waterbone

Spot-tailed Goshawk

4/9, 1 sp heard, Gunung Tangkoko
11/9, 1 sp heard, Gunung Ambang
18/9, 2p, Anaso track, Lore Lindu

Gray-throated Goshawk²

9/9, 2 sp, Anu's clearing, Kali Batu Putih

Moluccan Goshawk

8/9, 2 sp, Kali Batu Putih lookout

Small/Vinous-breasted Sparrowhawk

19/9, 1 sp, Dongi Dongi IV bridge, Lore Lindu

Black Eagle

13/9, 2 sp, Muara Puisan, Waterbone
15/9, 1 sp, Kosinggolan, Waterbone

Gurney's Eagle

6/9, 1 sp, Anu's clearing, Kali Batu Putih
9/9, 2 sp, Kali Batu Putih

Rufous-bellied Eagle

17/9, 1 sp, Anaso track, Lore Lindu
18/9, 2 sp, Anaso track, Lore Lindu

Sulawesi Hawk-Eagle

3/9, 1 sp, Gunung Tangkoko
13/9, 1 sp, Tambun, Waterbone
18/9, 1 sp, Anaso track, Lore Lindu

Spilornis r. rufipectus***Circus assimilis******Accipiter griseiceps******Accipiter trinotatus******Accipiter griseogularis******Accipiter henicogrammus******Accipiter nanus/rhodogaster******Ictinaetus m. malayensis******Aquila gurneyi******Aquila kienerii formosus******Spizaetus lanceolatus***

Falcons and Caracaras**Falconidae**

Spotted Kestrel

7/9, 1 sp, Foli

8/9, 3 sp, Foli

Falco moluccensis moluccensis

Spotted Kestrel

12/9, 1 sp, Toraut, Waterbone

16/9, 1 sp, Makassar

20/9, 1 sp, Wuasa

21/9, 1 sp, Wuasa

Falco moluccensis microbalia

Oriental Hobby

8/9, 1 sp, Foli

21/9, 1 sp, Wuasa

Falco severus

Peregrine Falcon

15/9, 1 sp, Kosinggolan, Waterbone

22/9, 1 sp, Bora village

23/9, 1 sp, Manado

*Falco peregrines ernesti***Megapodes****Megapodiidae****Maleo**

12/9, 1 sp heard, Tambun

14/9, 1 sp, Tambun

Macrocephalon maleo

Moluccan Scrubfowl

6/9, 2 sp, Galela beach

Megapodius wallacei

Tabon Scrubfowl

3/9, 3 sp, Tangkoko

Megapodius cumingii gilberti

Dusky Scrubfowl

6/9, heard, Dase hill trail, Kali Batu Putih

8/9, heard, Dase hill trail, Kali Batu Putih

9/9, 3 sp, Anu's clearing, Kali Batu Putih

*Megapodius f. freycinet***Buttonquail****Turnicidae**

Red-backed Buttonquail

21/9, 1 sp, Oloboju river

22/9, 6 sp, Bora village

22/9, 3 sp, Oloboju river

Turnix maculosus beccarii

Rail, Gallinules and Coots***Rallidae*****Buff-banded Rail***Gallirallus p. philippensis*

- 4/9, 1 sp, Tangkoko
- 10/9, 1 sp, Manado-Kotamobagu
- 13/9, 1 sp, Toraut, Waterbone
- 14/9, 1 sp, Doloduo-Tapakolintang, Waterbone
- 15/9, 3 sp, Kosinggolan, Waterbone

Barred Rail*Gallirallus torquatus celebensis*

- 4/9, 1 sp, Tangkoko
- 5/9, 1 sp, near Tangkoko
- 10/9, 1 sp, Manado-Kotamobagu
- 11/9, 1 sp, Gunung Ambang
- 13/9, 1 sp, Toraut, Waterbone
- 14/9, 1 sp, Tambun, Waterbone
- 14/9, 1 sp, Tapakolintang, Waterbone
- 15/9, 6 sp, Kosinggolan, Waterbone
- 15/9, 1 sp, Doloduo-Manado
- 16/9, 1 sp heard, Karaenta Forest

Isabelline Bush-hen*Amaurornis isabellina*

- 4/9, heard, Tangkoko
- 5/9, heard, Tangkoko
- 13/9, 1 sp, Muara Puisan-Doloduo
- 15/9, 5 sp, Kosinggolan, Waterbone

White-breasted Waterhen*Amaurornis phoenicurus leucomelanus*

- 3/9, 1 sp, Tangkoko
- 13/9, 1 sp, Toraut, Waterbone
- 15/9, 1 sp, Kosinggolan, Waterbone

Purple Swamphen*Porphyrio porphyrio indicus*

- 12/9, 1 sp, Doloduo-Toraut, Waterbone
- 15/9, 3 sp, Kosinggolan, Waterbone

Common Moorhen*Gallinula chloropus orientalis*

- 12/9, 1 sp, Doloduo-Toraut, Waterbone

Jacanas***Jacanidae*****Comb-crested Jacana***Irediparra g. gallinacean*

- 12/9, 1 sp, Doloduo-Toraut, Waterbone

Painted-snipes***Rostratulidae*****Greater Painted-snipe***Rostratula b. benghalensis*

- 15/9, 15 sp, Kosinggolan, Waterbone

Avocets and Stilts***Recurvirostridae***

Pied Stilt

12/9, 2 sp, Tambun-Doloduo

*Himantopus leucocephalus***Plovers and Lapwings*****Charadriidae***

Lesser Sandplover

7/9, 1 sp, Foli beach

*Charadrius m. mongolus***Sandpipers*****Scolopacidae***

Swinhoe's Snipe

15/9, 1 sp, Kosinggolan, Waterbone

Gallinago megala

Whimbrel

2/9, 1 sp, Tangkoko

5/9, 2 sp, Ternate-Sidangoli

Numenius phaeopus variegates

Wood Sandpiper

12/9, 10+ sp, Tambun-Doloduo, Waterbone

14/9, 1 sp, near Tambun

15/9, 10+ sp, Waterbone area

Tringa glareola

Common Sandpiper

2/9, 5 sp, Tangkoko

6/9, 4 sp, Galela

7/9, 1 sp, Daru-Foli

13/9, 3 sp, Muara Puisan, Waterbone

21/9, 2 sp, Wuasa-Palu

Actitis hypoleucos

Great Knot

7/9, 1 sp, Foli beach

Calidris tenuirostris

Red-necked Phalarope

7/9, 100+ sp, Daru-Foli crossing

8/9, 20+ sp, Foli-Daru crossing

10/9, 20+ sp, Sidangoli-Ternate crossing

*Phalaropus lobatus***Terns*****Sternidae***

Great Crested Tern

5/9, 1 sp, Ternate-Sidangoli crossing

7/9, 1 sp, Daru-Foli crossing

Sterna bergii cristata

Common Tern

5/9, 1 sp, Ternate-Sidangoli crossing

7/9, 30+ sp, Daru-Foli crossing

8/9, 500+ sp, Foli-Daru crossing

10/9, 6 sp, Sidangoli-Ternate crossing

Sterna hirundo longipennis

Little Tern
7/9, 20+ sp, Daru-Foli crossing
8/9, 2 sp, Foli-Daru crossing

Sterna albifrons sinensis

Aleutian Tern
6/9, 3 sp, Tobelo
7/9, 2 sp, Daru-Foli crossing

Sterna aleutica

Bridled Tern
7/9, 70+ sp, Daru-Foli crossing
8/9, 30+ sp, Foli-Daru crossing

Sterna a. anaethetus

White-winged Tern
8/9, 3 sp, Foli-Daru crossing

Chlidonias leucopterus

Black Noddy
8/9, 2 sp, Foli-Daru crossing

Anous minutus worcesteri

Pigeons and Doves

Columbidae

[Rock Pigeon]
Seen in small to moderate numbers
in most populated areas

Columba livia domest.

Red Collared-Dove
12/9, 2 sp, Doloduo-Tambun
22/9, 10+ sp, Bora village

Streptopelia tranquebarica humilis

Spotted Dove
4/9, 2 sp, Tangkoko
6/9, 3 sp, Sidangoli-Tobelo
13/9, 2 sp, Tambun
15/9, 3 sp, Waterbone area
21/9, 10+ sp, Wuasa-Palu

Streptopelia chinensis tigrina

Slender-billed Cuckoo-Dove
28/8, 2 sp, Gunung Sahengbalira
31/8, 2 sp, Gunung Sahengbalira
7/9, 2 sp, Foli
8/9, heard, Foli
9/9, heard, Kali Batu Putih

Macropygia amboinensis sanghirensis

Slender-billed Cuckoo-Dove
14/9, 2 sp, Tambun
15/9, 1 sp, Tapakolintang, Waterbone
16/9, 1 sp, Makassar
18/9, 10+ sp, Lake Taming, Lore Lindu
19/9, 10+ sp, Lake Taming, Lore Lindu

Macropygia amboinensis albicapilla

Slender-billed Cuckoo-Dove
4/9, 2 sp, Tangkoko
5/9, 5 sp, Tangkoko

Macropygia amboinensis batchianensis

Great Cuckoo-Dove
7/9, 1 sp, Foli

Reinwardtoena r. reinwardtii

White-faced Cuckoo-Dove

2/9, 3 sp, Tangkoko
4/9, 1 sp, Tangkoko
5/9, 1 sp, Tangkoko
12/9, 1 sp, Tambun, Waterbone
13/9, 1 sp, Muara Puisan, Waterbone
14/9, 1 sp, Tapakolintang, Waterbone
15/9, 1 sp, Kosinggolan, Waterbone

Turacoena manadensis

Emerald Dove

27/8, 1 sp, Lilipang Binala
28/8, 2 sp, Gunung Sahengbalira
29/8, 2 sp, Talawid
30/8, 3 sp, Gunung Sahengbalira
31/8, 3 sp, Gunung Sahengbalira
4/9, 1 sp, Tangkoko
9/9, 2 sp, Kali Batu Putih
22/9, 3 sp, Bora village

Chalcophaps i. indica

Stephan's Dove

4/9, 2 sp, Tangkoko
22/9, 8 sp, Bora village

Chalcophaps stephani wallacei

Pink-necked Pigeon

2/9, 10+ sp, Tangkoko

Treron vernans

Gray-cheeked Pigeon

29/8, 2 sp, Tahuna

Treron griseicauda sangirensis

Gray-cheeked Pigeon

3/9, 30+ sp, Tangkoko
5/9, 10 sp, Tangkoko
12/9, 6 sp, Tambun, Waterbone
13/9, 30+ sp, Toraut, Waterbone

Treron griseicauda wallacei

Red-eared Fruit-Dove

17/9, 2 sp, Anaso track, Lore Lindu
18/9, 4 sp, Anaso track, Lore Lindu
20/9, 1 sp, Anaso track, Lore Lindu
21/9, 2 sp, Anaso track, Lore Lindu

Ptilinopus fischeri centralis

Maroon-chinned Fruit-Dove

12/9, 2 sp, Tambun, Waterbone
13/9, 2 sp, Toraut, Waterbone

Ptilinopus subgularis epia

Scarlet-breasted Fruit-Dove

6/9, heard, Dase hill, Kali Batu Putih
7/9, 1 sp, Foli
8/9, heard, Foli

Ptilinopus b. bernsteinii

Superb Fruit-Dove
11/9, 1 sp, Gunung Ambang
19/9, 1 sp, Lake Tambing, Lore Lindu

Ptilinopus superbus temminckii

Blue-capped Fruit-Dove

7/9, 1 sp + heard, Foli
8/9, 1 sp, Foli
9/9, heard, Foli

Ptilinopus monacha

Gray-headed Fruit-Dove

7/9, 5 sp, Foli
8/9, 20+ sp, Foli
9/9, 2 sp, Kali Batu Putih
10/9, 20+ sp, Kali Batu Putih lookout

Ptilinopus hyogastrus

Black-naped Fruit-Dove

27/9, heard, Lilipang Binala
28/9, heard, Gunung Sahengbalira
29/9, 3 males, Talawid
30/9, 2 sp, Gunung Sahengbalira

Ptilinopus melanospilus xanthorrhoea

Black-naped Fruit-Dove

4/9, 3 sp, Tangkoko
14/9, 1 sp, Tapakolintang, Waterbone
21/9, 3 sp, Wuasa-Palu

Ptilinopus melanospilus melanospila

White-bellied Imperial-Pigeon

5/9, 3 sp, Tangkoko
11/9, 1 sp, Gunung Ambang
21/9, 2 sp, Anaso track, Lore Lindu

Ducula forsteni

Gray-headed Imperial-Pigeon

18/9, 2 sp, Anaso track, Lore Lindu

Ducula radiate

Green Imperial-Pigeon

3/9, 15+ sp, Tangkoko
4/9, 2 sp, Tangkoko
5/9, 4 sp, Tangkoko
12/9, 4 sp, Tambun, Waterbone
12/9, 3 sp, Toraut, Waterbone
13/9, 2 sp, Muara Puisan, Waterbone
13/9, 15+ sp, Toraut, Waterbone
14/9, 10+ sp, Tambun, Waterbone
14/9, 3 sp, Kosinggolan, Waterbone

Ducula aenea paulina

White-eyed Imperial-Pigeon

7/9, 3 sp, Foli
8/9, 1 sp, Foli
9/9, heard, Kali Batu Putih
10/9, heard, Kali Batu Putih lookout

Ducula p. perspicillata

Elegant Imperial-Pigeon
28/8, heard, Gunung Sahengbalira
29/8, 2 sp, Talawid
30/9, heard, Gunung Sahengbalira

Ducula concinna

Cinnamon-bellied Imperial-Pigeon
6/9, 1 sp, Dase hill trail, Kali Batu Putih
7/9, 1 sp, Foli
8/9, 1 sp, Foli

Ducula b. basilica

Pied Imperial-Pigeon
29/8, 30+ sp, Talawid

Ducula b. bicolor

Pied Imperial-Pigeon
7/9, 10+ sp, Foli
8/9, 2 sp, Foli

Ducula bicolor melanura

White Imperial-Pigeon
2/9, 2 sp, Tangkoko
4/9, 8 sp, Tangkoko
5/9, 30+ sp, Tangkoko
12/9, 3 sp, Toraut, Waterbone
13/9, 3 sp, Toraut, Waterbone

Ducula luctuosa

Cockatoos

Cacatuidae

White Cockatoo
6/9, heard, Dase hill trail, Kali Batu Putih
7/9, 4 sp, Foli
8/9, 10 sp, Kali Batu Putih lookout
9/9, 5 sp, Kali Batu Putih
10/9, 10 sp, Kali Batu Putih lookout

Cacatua alba

Parrots

Psittacidae

Violet-necked Lory
7/9, 7 sp, Foli
8/9, 2 sp, Foli
9/9, 2 sp, Kali Batu Putih
10/9, 2 sp, Kali Batu Putih lookout

Eos squamata riciniata

Ornate Lorikeet
3/9, heard, Tangkoko
4/9, heard, Tangkoko
12/9, 15+ sp, Toraut, Waterbone
13/9, 6 sp, Toraut, Waterbone

Trichoglossus ornatus

Yellow-and-green Lorikeet

17/9, 2 sp, Lake Tambing, Lore Lindu
18/9, 20+ sp, Lake Tambing, Lore Lindu
19/9, 2 sp, Anaso track, Lore Lindu
20/9, 10+ sp, Lore Lindu
21/9, 2 sp, Anaso track, Lore Lindu

Chattering Lory

6/9, heard, Dase hill, Kali batu Putih
7/9, heard, Foli
8/9, 2 sp + heard, Kali Batu Putih lookout

Red-flanked Lorikeet

7/9, 4 sp, Foli
8/9, 3 sp, Foli

Red-cheeked Parrot

6/9, heard, Dase hill trail, Kali Batu Putih
7/9, 30+ sp, Foli
8/9, 2 sp, Kali Baut Putih lookout
9/9, 5 sp, Kali Batu Putih
10/9, 2 sp, Kali Batu Putih lookout

Yellowish-breasted Racquet-tail

4/9, 1 sp, Tangkoko
5/9, 1 sp, Tangkoko
12/9, 2 sp, Toraut, Waterbone
13/9, heard, Toraut, Waterbone
15/9, heard, Kosinggolan, Waterbone

Golden-mantled Racquet-tail

5/9, 10+ sp, Tangkoko
11/9, 6 sp, Gunung Ambang
17/9, 2 sp, Anaso track, Lore Lindu
18/9, 2 sp, Lore Lindu
20/9, heard, Lore Lindu

Great-billed Parrot

7/9, 15 sp, Foli
8/9, 15 sp, Foli

Azure-rumped Parrot

29/8, 1 sp, Talawid

Azure-rumped Parrot

3/9, 1 sp, Tangkoko
4/9, 1 sp, Tangkoko
11/9, heard, Gunung Ambang
12/9, 1 sp, Toraut, Waterbone
13/9, 8 sp, Toraut, Waterbone
14/9, heard, Tapakolintang, Waterbone
15/9, heard, Tapakolintang, Waterbone

Trichoglossus flavoviridis meyeri***Lorius g. garrulous****Charmosyna placentis intensior**Geoffroyus geoffroyi cyanicollis****Prioniturus flavicans******Prioniturus p. platurus****Tanygnathus m. megalorhynchus**Tanygnathus sumatranus sangirensis**Tanygnathus sumatranus sumatranus*

Eclectus Parrot
6/9, 3 sp, Dase hill trail, Kali Batu Putih
7/9, 5 sp, Foli
10/9, 4 sp, Kali Batu Putih lookout

Eclectus roratus vosmaeri

Sulawesi Hanging-Parrot

3/9, 1 sp, Tangkoko
5/9, 15 sp, Tangkoko
11/9, 1 sp, Gunung Ambang
13/9, 1 sp, Toraut, Waterbone
14/9, 2 sp, Tambun, Waterbone
15/9, 2 sp, Kosinggolan, Waterbone
21/9, 10+ sp, Wuasa forest

Loriculus stigmatus

Moluccan Hanging-Parrot

7/9, 2 sp, Foli
9/9, 7 sp, Kali Batu Putih
10/9, 3 sp, Kali Batu Putih lookout

Loriculus amabilis

Sangihe Hanging-Parrot

27/8, 2 sp, Lilipang Binala
29/8, 3 sp, Talawid

Loriculus catamene

Pygmy Hanging-Parrot

3/9, 4 sp, Tangkoko
13/9, 2 sp, Muara Puisan, Waterbone
21/9, 1+ sp, Wuasa forest

Loriculus exilis

Cuckoos

Cuculidae

Sulawesi Hawk-Cuckoo

13/9, 2 sp heard, Muara Puisan, Waterbone
19/9, 1 sp, Dongi Dongi IV bridge, Lore Lindu

Cuculus crassirostris

Brush Cuckoo

11/9, heard, Gunung Ambang
14/9, 1 sp, Tambun, Waterbone
15/9, 1 sp, Kosinggolan, Waterbone
17/9, heard, Lore Lindu
18/9, heard, Lore Lindu
19/9, 1 sp, Lore Lindu
20/9, heard, Lore Lindu
21/9, heard, Anaso track, Lore Lindu

Cacomantis variolosus virescens

Brush Cuckoo

7/9, 1 sp, Foli
8/9, 2 sp, Foli
9/9, heard, Kali Batu Putih

Cacomantis variolosus infaustus

Little Bronze-Cuckoo

16/9, 1 sp, Karaenta forest
17/9, heard, Lore Lindu
18/9, heard, Lore Lindu
19/9, heard, Lore Lindu
20/9, heard, Lore Lindu
21/9, 1 sp, Lore Lindu
22/9, 1 sp, Bora village, Palu

Black-billed Koel

4/9, heard, Tangkoko
5/9, heard, Tangkoko
11/9, heard, Gunung Ambang
12/9, 1 male, Tambun
13/9, 2 sp, Toraut, Waterbone
14/9, heard, Tambun, Waterbone
14/9, heard, Tapakolintang, Waterbone
15/9, 1 sp, Kosinggolan, Waterbone

Asian Koel

27/8, heard, Lilipang Binala
28/8, heard, Gunung Sahengbalira
29/8, heard, Talawid
30/8, heard, Gunung Sahengbalira

Yellow-billed Malkoha

3/9, 2 sp, Tangkoko
4/9, 3 sp, Tangkoko
5/9, 10+ sp, Tangkoko
12/9, 2 sp, Tambun, Waterbone
13/9, 3 sp, Toraut, Waterbone
14/9, 2 sp, Tambun, Waterbone
14/9, 2 sp, Tapakolintang, Waterbone
15/9, 2 sp, Kosinggolan, Waterbone

Yellow-billed Malkoha

18/9, 3 sp, Lore Lindu
19/9, 1 sp, Lore Lindu
21/9, 1 sp, Wuasa-Palu
22/9, 2 sp, Bora village

Bay Coucal

3/9, 1 sp, Tangkoko
5/9, 1 sp, Tangkoko

Bay Coucal

22/9, heard, Bora village

Goliath Coucal

6/9, 1 sp, Dase hill trail, Kali Batu Putih
6/9, 3 sp, Sidangoli-Tobelo
7/9, 1 sp + heard, Foli
10/9, heard, Kali Batu Putih lookout

Chrysococcyx minutillus jungei

Eudynamys m. melanorhynchus

Eudynamys scolopaceus mindanensis

Phaenicophaeus c. calyrorhynchus

Phaenicophaeus calyrorhynchus meridionalis

Centropus c. celebensis

Centropus celebensis melanops

Centropus goliath

Lesser Coucal *Centropus bengalensis sarasinorum*
2/9, 1 sp, Tangkoko
4/9, 1 sp, Tangkoko
13/9, 2 sp, Tambun-Doloduo
20/9, 1 sp, Lore Lindu
21/9, 1 sp, Lore Lindu
22/9, 1 sp, Bora village

Lesser Coucal *Centropus bengalensis medius*
8/9, 1 ad + 1 1st cy, Foli

Barn-Owls

Tytonidae

Sulawesi Owl

Tyto r. rosenbergii

2/9, 2 sp, Tangkoko
11/9, heard, Gunung Ambang
12/9, heard, Toraut, Waterbone
14/9, heard, near Doloduo

Owls

Strigidae

Moluccan Scops-Owl

Otus magicus leucospilus

5/9, 1 sp, Kali Batu Putih
6/9, heard, Galela
8/9, heard, Foli
9/9, heard, Kali Batu Putih

Sulawesi Scops-Owl

Otus m. manadensis

3/9, heard, Tangkoko
4/9, 1 sp, Tangkoko
11/9, heard, Singsingon, Gunung Ambang
12/9, heard, Toraut, Waterbone
13/9, heard, Toraut, Waterbone
14/9, heard, Tambun, Waterbone
20/9, 1 sp, Wuasa, Lore Lindu

Sangihe Scops-Owl

Otus collari

27/9, 1 sp, Lelipang, Sangihe

Ochre-bellied Hawk-Owl

Ninox ochracea

3/9, 2 sp, Tangkoko
12/9, heard, Toraut, Waterbone
13/9, heard, Toraut, Waterbone

Cinnabar Hawk-Owl

Ninox ios

11/9, 1 sp +5 heard, Singsingon, Gunung Ambang

Moluccan Hawk-Owl

Ninox squamipila hypogramma

5/9, heard, Kali Batu Putih
6/9, heard, Galela
7/9, 1 sp, Foli

Speckled Hawk-Owl

12/9, heard, Toraut, Waterbone
 13/9, 2 sp, Toraut, Waterbone

Ninox punctulata

Owlet-Nightjars***Aegothelidae*****Moluccan Owlet-Nightjar**

5/9, 1 sp, Anu's clearing, Kali Batu Putih
 9/9, 1 sp, Anu's clearing, Kali Batu Putih

Aegotheles crinifrons

Nightjars***Caprimulgidae*****Diabolical Nightjar**

11/9, heard, Singingon, Gunung Ambang
 17/9, 1 ad+1 chick, Anaso track, Lore Lindu
 18/9, 2 sp, Anaso track, Lore Lindu
 19/9, 2 sp, Dongi Dongi IV bridge, Lore Lindu
 20/9, 2 sp, Anaso track, Lore Lindu
 20/9, 1 sp, Dongi Dongi IV bridge, Lore Lindu
 21/9, 1 sp, Anaso track, Lore Lindu

Eurostopodus diabolicus

Great Eared-Nightjar

2/9, 6 sp, Tangkoko
 3/9, heard, Tangkoko
 11/9, heard, Singingon, Gunung Ambang
 13/9, heard, Muara Puisan, Waterbone
 14/9, 2 sp, Tambun, Waterbone
 14/9, 1 sp, Tapakolintang, Waterbone
 19/9, 1 sp, Dongi Dongi IV bridge, Lore Lindu
 20/9, 1 sp, Dongi Dongi IV bridge, Lore Lindu

Eurostopodus macrotis macropterus

Large-tailed Nightjar

5/9, heard, Kali Batu Putih
 6/9, 2 sp + heard, Galela
 7/9, 1 sp, Foli
 8/9, 1 sp, Kali Batu Putih
 12/9, 10+ sp, Tambun, Waterbone

Caprimulgus macrurus schlegelii

Sulawesi Nightjar

3/9, heard, Mama Roo's, Tangkoko
 4/9, 1 sp, Tangkoko
 14/9, heard, Tambun, Waterbone

Caprimulgus c. celebensis

Savanna Nightjar

16/9, 8+ sp, Oloboju River, Palu
 21/9, 3 sp, Oloboju River, Palu
 22/9, 4 sp, Oloboju River, Palu

Caprimulgus affinis propinquus

Swifts**Apodidae**

Glossy Swiftlet

5-10/9 A common species on Halmahera

Collocalia esculenta spilura

Glossy Swiftlet

27/8, 20 sp, Lilipang Binala
28/8, 5 sp, Gunung Sahengbalira
30/8, 5 sp, Gunung Sahengbalira
31/8, 15 sp, Gunung Sahengbalira
1/9, 5 sp, Lilipang Binala-Tahuna
2-5/9, A common species at Tangkoko*Collocalia esculenta manadensis*

Glossy Swiftlet

16/9, 2 sp, Karaenta forest
17-22/9 A common species at Lore Lindu and
and between Wuasa and Palu*Collocalia esculenta esculenta***Moluccan Swiftlet**27/9, 10+ sp, Lilipang Binala
28/9, 1 sp, Gunung Sanhengbalira
29/9, 4 sp, Talawid
30/9, 10+ sp, Gunung Sahengbalira
4/9, 10+ sp, Tangkoko
18/9, 1 sp, Anaso track, Lore Lindu*Aerodramus infuscatus sororum*

Uniform Swiftlet

12/9, 2 sp, Tambun, Waterbone
14/9, 1 sp, Tambun, Waterbone
15/9, 1 sp, Kosinggolan, Waterbone
21/9, 1 sp, Wuasa-Palu*Aerodramus vanikorensis aenigma*

Purple Needletail

19/9, 2 sp, Lore Lindu
20/9, 7 sp, Lore Lindu*Hirundapus celebensis*

Asian Palm-Swift

14/9, 4 sp, Tambun, Waterbone
15/9, 2 sp, Tambun, Waterbone
16/9, 4 sp, Karaenta forest*Cypsiurus balasiensis*

Fork-tailed Swift

10/9, 1 sp, Ternate

Apus p. pacificus

House Swift

10/9, 1 sp, Ternate

Apus nipalensis

Crested Treeswifts***Hemiprocnidae***

Gray-rumped Treeswift

Hemiprocne longipennis wallacii

3/9, C, Tangkoko

4/9, 30+ sp, Tangkoko

5/9, C, Tangkoko

12/9, 5 sp, Tambun, Waterbone

12/9, 5 sp, Toraut, Waterbone

13/9, 10+ sp, Muara Puisan, Waterbone

16/9, 2 sp, Karaenta forest

Moustached Treeswift

Hemiprocne mystacea confirmata

7/9, 3 sp, Foli

8/9, 10+ sp, Foli

Kingfishers***Alcedinidae***

Common Kingfisher

Alcedo atthis hispidoides

2/9, 1 sp, Tangkoko

12/9, 2 sp, Toraut, Waterbone

13/9, 1 sp, Muara Puisan, Waterbone

13/9, 2 sp, Toraut, Waterbone

Sulawesi Kingfisher*Ceyx f. fallax*

3/9, 1 pair, Tangkoko

4/9, 1 sp, Gunung Tangkoko

Lilac Kingfisher*Cittura cyanotis sanghirensis*

27/8, 1 sp, Lilipang Binala

28/8, 2 sp, Gunung Sahengbalira

29/8, 1 sp, Talawid

30/8, 2 sp, Gunung Sahengbalira

31/8, 1 sp, Gunung Sahengbalira

Lilac Kingfisher*Cittura c. cyanotis*

3/9, 4 sp, Tangkoko

4/9, 1 sp, Tangkoko

Black-billed Kingfisher*Pelargopsis m. melanorhyncha*

2/9, 1 sp, Tangkoko

12/9, 1 sp, Toraut, Waterbone

Ruddy Kingfisher

Halcyon coromanda rufa

2/9, 2 sp, Tangkoko

Blue-and-white Kingfisher*Todiramphus diops*

6/9, 3 sp, Sidangoli-Tobelo

7/9, 1 sp, Foli

8/9, 2 sp, Tobelo-Sidangoli

Collared Kingfisher

2/9, 2+ sp, Tangkoko
 3/9, 1 sp, Tangkoko
 4/9, 1 sp, Tangkoko
 11/9, 3 sp, Gunung Ambang
 12/9, 2 sp, Toraut, Waterbone
 13/9, 1 sp, Muara Puisan, Waterbone
 14/9, heard, Tapakolintang, Waterbone
 15/9, 1 sp, Kosinggolan, Waterbone
 15/9, 1 sp, Bora village
 16/9, 1 sp, Karaenta forest
 17/9, 1 sp, Lore Lindu
 18/9, 2 sp, Lore Lindu
 20/9, 2 sp, Lore Lindu
 21/9, 2 sp, Wuasa-Palu
 22/9, 2 sp, Bora village

*Todiramphus c. chloris***Sombre Kingfisher**

6/9, 1 sp + heard, Dase hill trail, Kali Batu Putih
 8/9, heard, Foli
 9/9, 1 sp + heard, Dase hill trail, Kali Batu Putih

*Todiramphus funebris***Beach Kingfisher**

6/9, 1 sp, small islet off Tobelo

*Todiramphus s. saurophagus***Sacred Kingfisher**

2/9, 2 sp, Tangkoko
 7/9, 1 sp, Daru

*Todiramphus s. sanctus***Green-backed Kingfisher**

3/9, 4 sp, Tangkoko
 4/9, heard, Gunung Tangkoko
 13/9, heard, Muara Puisan, Waterbone

*Actenoides m. monachus***Scaly Kingfisher**

4/9, 1 male, Gunung Tangkoko

*Actenoides p. princeps***Common Paradise-Kingfisher**

6/9, 1 sp, Dase hill, Kali Batu Putih
 9/9, 1 sp, Dase hill trail, Kali Batu Putih

*Tanyiptera galatea browningi***Bee-eaters***Meropidae***Purple-bearded Bee-eater**

17/9, 3 sp, Anaso track, Lore Lindu
 17/9, 3 sp, main road, Lore Lindu
 18/9, 6 sp, Anaso track, Lore Lindu
 19/9, 6 sp, Anaso track, Lore Lindu
 20/9, 1 sp, Anaso track, Lore Lindu
 21/9, 2 sp, Anaso track, Lore Lindu

Meropogon forsteni

Blue-tailed Bee-eater
21/9, 2 sp, Oloboju River, Palu
22/9, 4 sp, Oloboju River, Palu

Merops philippinus

Rainbow Bee-eater
2/9, 15+ sp, Tangkoko
3/9, 20+ sp, Tangkoko
4/9, 4 sp, Tangkoko
9/9, 3 sp, Kali Batu Putih
10/9, heard, Kali Batu Putih lookout
22/9, 1 sp, Oloboju River

Merops ornatus

Rollers

Coraciidae

Purple-winged Roller
3/9, 1 sp, Tangkoko
4/9, 1 sp, Tangkoko
12/9, 1 sp, Tambun, Waterbone

Coracias temminckii

Dollarbird
6/9, 3 sp, Sidangoli-Tobelo
7/9, 1 sp, Tobelo-Daru
8/9, 5 sp, Foli

Eurystomus o. orientalis

Purple Roller
8/9, 4-7 sp, Foli

Eurystomus azureus

Hornbills

Bucerotidae

Sulawesi Hornbill
5/9, 1 pair, Tangkoko
13/9, 4 sp, Muara Puisan, Waterbone
14/9, 9 sp, Tapakolintang, Waterbone

Penelopides e. exarhatus

Knobbed Hornbill
3/9, 30+ sp, Tangkoko
4/9, 4 sp, Tangkoko
5/9, 5 sp, Tangkoko
12/9, 2 sp, Toraut, Waterbone
13/9, 10+ sp, Muara Puisan, Waterbone
13/9, 10+ sp, Toraut, Waterbone
14/9, 5 sp, Tambun, Waterbone
14/9, 15+ sp, Tapakolintang, Waterbone
15/9, 20+ sp, Tapakolintang, Waterbone
18/9, 1 sp, main road, Lore Lindu
20/9, 7 sp, main road, Lore Lindu
21/9, 2 sp, main road, Lore Lindu

Aceros cassidix

Blyth's Hornbill
6/9, 3 sp, Kali Batu Putih
7/9, 30+ sp, Foli
8/9, 20+ sp, Kali Batu Putih lookout
9/9, 10+ sp, Kali Batu Putih
10/9, 10+ sp, Kali Batu Putih lookout

Aceros plicatus

Woodpeckers

Picidae

Sulawesi Woodpecker

4/9, 1 sp, Gunung Tangkoko
11/9, 1 sp, Gunung Ambang
18/9, 2 sp, Anaso track, Lore Lindu
20/9, 3 sp, Anaso track, Lore Lindu

Dendrocopos temminckii

Ashy Woodpecker

4/9, 8 sp, Tangkoko
5/9, 2 sp, Tangkoko
12/9, 5 sp, Toraut, Waterbone

Mulleripicus f. fulvus

Ashy Woodpecker

21/9, 1 sp, Lore Lindu

Mulleripicus fulvus wallacei

Pittas

Pittidae

Hooded Pitta

27/8, heard, Lilipang Binala
28/8, 1 sp, Gunung Sahengbalira
29/8, 2 sp, Talawid
30/9, 2 sp, Gunung Sahengbalira

Pitta sordida sanghirana

Hooded Pitta

4/9, 1 sp, Gunung Tangkoko

Pitta sordida forsteni

Ivory-breasted Pitta

6/9, 1 sp + heard, Dase hill trail, Kali Batu Putih
8/9, heard, Foli
9/9, 3 sp + heard, Dase hill trail, Kali Batu Putih
10/9, heard, Kali Batu Putih lookout

Pitta maxima

Red-bellied Pitta

29/8, heard, Talawid

Pitta erythrogaster caeruleitorques

Red-bellied Pitta

8/9, heard, Foli

Pitta erythrogaster rufiventris

Swallows

Hirundinidae

Barn Swallow

6/9, 2 sp, Sidangoli-Tobelo
7/9, C, Daru
12/9, 2 sp, Doloduo-Toraut
15/9, 2 sp, Doloduo-Manado
20/9, 2 sp, Lore Lindu
21/9, C, Wuasa-Palu

Hirundo rustica gutturalis

Pacific Swallow

A common species on Sangihe, Halmahera
and Sulawesi

Hirundo tahitica javanica

Wagtails and Pipits

Motacillidae

Eastern Yellow Wagtail

11/9, 10+ sp, Gunung Ambang
12/9, 5+ sp, Doloduo-Toraut, Waterbone
15/9, 1 sp, Kosinggolan, Waterbone

Motacilla tschutschensis simillima

Gray Wagtail

30/9, 1 sp, Gunung Sahengbalira

Motacilla cinerea robusta

Cuckoo-shrikes

Campephagidae

Pied Cuckoo-shrike

13/9, 1 sp, Muara Puisan, Waterbone
13/9, heard, Toraut, Waterbone
15/9, 2 sp, Kosinggolan, Waterbone
15/9, 6 sp, Tapakolintang, Waterbone

Coracina bicolor

Moluccan Cuckoo-shrike

7/9, 2 sp, Foli
8/9, 2 sp, Foli

Coracina atriceps

Cerulean Cuckoo-shrike

15/9, 1 sp, Tapakolintang, Waterbone

Coracina t. temminckii

Cerulean Cuckoo-shrike

17/9, 7 sp, Lore Lindu
19/9, 1 sp, Lore Lindu
20/9, 2 sp, Lore Lindu
21/9, 2 sp, Lore Lindu

Coracina temminckii rileyi

White-rumped Cuckoo-shrike

2/9, 1 sp, Tangkoko
3/9, 2 sp, Tangkoko
15/9, 2 sp, Kosinggolan, Waterbone

Coracina leucopygia

White-bellied Cuckoo-shrike
6/9, 1 sp, near Tobelo
7/9, 1 sp, Foli
8/9, 1 sp, Foli

Coracina papuensis

Halmahera Cuckoo-shrike
7/9, 3 sp, Foli

Coracina parvula

Pygmy Cuckoo-shrike
18/9, 2 sp, Anaso track, Lore Lindu
19/9, 2 sp, main road, Lore Lindu
20/9, 1 sp, Lore Lindu

Coracina abbotti

Cicadabird
9/9, 1 female, Kali Batu Putih

Coracina tenuirostris grayi

Sulawesi Cuckoo-shrike
4/9, 3 sp, Tangkoko
5/9, 2 sp, Tangkoko
14/9, 1 sp, Tapakolintang, Waterbone
15/9, 1 sp, Tapakolintang, Waterbone
20/9, 2 sp, Anaso track, Lore Lindu

Coracina m. morio

White-rumped Triller
4/9, heard, Gunung Tangkoko
15/9, 1 sp, Tapakolintang, Waterbone

Lalage leucopygialis

White-shouldered Triller
22/9, 2 sp, Bora village

Lalage sueurii

Rufous-bellied Triller
6/9, 3 sp, Anu's clearing, Kali Batu Putih
7/9, 5 sp, Foli
8/9, 4 sp, Foli
9/9, 6 sp, Kali Batu Putih

Lalage aurea

Bulbuls

Pycnonotidae

[Sooty-headed Bulbul]
4/9, 10+ sp, Tangkoko
16/9, 2 sp, Karaenta forest

Pycnonotus aurigaster

Golden Bulbul
28/8, heard, Gunung Sahengbalira
30/8, 1 sp, Gunung Sahengbalira
31/8, heard, Gunung Sahengbalira

Alophoixus affinis platenae

Golden Bulbul
6/9, 2 sp, Dase hill trail, Kali Batu Putih
7/9, 4 sp, Foli
8/9, 5 sp, Foli
9/9, 10 sp, Kali Batu Putih

Alophoixus affinis chloris

Thrushes**Turdidae****Geomalia**

18/9, 2 sp, Anaso track, Lore Lindu

Geomalia heinrichi**Rusty-backed Thrush**

3/9, 1 sp, Tangkoko

4/9, 1 sp, Tangkoko

Zoothera erythronota**Sulawesi Thrush**

19/9, 3 sp, main road, Lore Lindu

Cataponera turdoides abditiva**Great Shortwing**

18/9, heard, Anaso track, Lore Lindu

20/9, 4 sp, Anaso track, Lore Lindu

21/9, 1 male, Anaso track, Lore Lindu

Heinrichia calligyna (ssp?)**Cisticolas and Allies****Cisticolidae****Golden-headed Cisticola**

11/9, 1 sp, Gunung Ambang

11/9, heard, Singsingon, Gunung Ambang

13/9, 1 sp, Muara Puisan, Waterbone

Cisticola exilis rustica**Old World Warblers****Sylviidae****Chestnut-backed Bush-Warbler**

11/9, heard, Gunung Ambang

17/9, 1 sp, Anaso track, Lore Lindu

19/9, 2 sp, Lore Lindu

20/9, 2 sp, Lore Lindu

21/9, 1 sp, Anaso track, Lore Lindu

Bradypterus c. castaneus**Gray's Warbler**

8/9, 1 sp + heard, Foli

Locustella fasciolata**Mountain Tailorbird**

11/9, 2 sp, Gunung Ambang

Orthotomus cuculatus riedeli**Mountain Tailorbird**

19/9, 4 sp, Anaso track, Lore Lindu

20/9, heard, Anaso track, Lore Lindu

Orthotomus cuculatus stentor**Arctic Warbler**

6/9, 1 sp, small islet off Daru

Phylloscopus borealis**Sulawesi Leaf-Warbler**

11/9, 3 sp, Gunung Ambang

Phylloscopus sarasinorum nesophilus

Sulawesi Leaf-Warbler

17/9, 10+ sp, Anaso track, Lore Lindu
 18/9, 15+ sp, Anaso track, Lore Lindu
 19/9, 10+ sp, Anaso track, Lore Lindu
 20/9, 2 sp, Anaso track, Lore Lindu
 21/9, 2 sp, Anaso track, Lore Lindu

*Phylloscopus s. sarasinorum***Old World Flycatchers***Muscicapidae***Undescribed Flycatcher species**

17/9, 1 sp, main road, Lore Lindu

*Muscicapa sp.***Snowy-browed Flycatcher**

17/9, 6 sp, Anaso track, Lore Lindu
 19/9, 1 sp, Anaso track, Lore Lindu
 20/9, 1 sp, Anaso track, Lore Lindu
 21/9, 4 sp, Anaso track, Lore Lindu

*Ficedula hyperythra jugosae***Little Pied Flycatcher**

17/9, 3 sp, Lore Lindu
 18/9, 1 sp, Lore Lindu
 19/9, 1 sp, Lore Lindu
 20/9, 2 sp, Lore Lindu
 22/9, 10+ sp, Bora village

*Ficedula w. westermanni***Island Flycatcher**

11/9, 2 sp, Gunung Ambang
 17/9, 2 sp, Lore Lindu
 18/9, 2 sp, Lore Lindu
 19/9, 3 sp, Lore Lindu
 20/9, 5 sp, Lore Lindu
 21/9, 1 sp, Lore Lindu

*Eumyias panayensis septentrionalis***Matinan Flycatcher**

11/9, 2 sp, Gunung Ambang

*Cyornis sanfordi***Blue-fronted Flycatcher**

17/9, 1 male, Anaso track, Lore Lindu
 18/9, heard, Lore Lindu
 19/9, 4 sp, Lore Lindu
 21/9, 3 sp, Lore Lindu

*Cyornis hoevelli***Sulawesi Blue-Flycatcher**

17/9, 1 female, main road, Lore Lindu
 20/9, 1 sp, main road, Lore Lindu

*Cyornis o. omissus***Citrine Canary-Flycatcher**

4/9, heard, Tangkoko
 11/9, heard, Gunung Ambang
 17/9, 2 sp, Lore Lindu
 18/9, 2 sp, Lore Lindu
 19/9, 4 sp, Lore Lindu

Culicicapa h. helianthea

Pied Bushchat
20/9, 1 sp, Wuasa

Saxicola caprata albonotata

Fantails

Rhipiduridae

Willie-wagtail
5/9, 1 sp, Ternate
6/9, 1 sp, Sidangoli
7/9, 1 sp, Halmahera
9/9, 2 sp, Halmahera

Rhipidura leucophrys

Rusty-flanked Fantail

11/9, 4 sp, Gunung Ambang
17/9, 1 sp, Lore Lindu
18/9, 4 sp, Lore Lindu
19/9, 10+ sp, Lore Lindu
20/9, 2 sp, Lore Lindu
21/9, 1 sp, Lore Lindu

Rhipidura teysmanni toradja

Monarch Flycatchers

Monarchidae

Pale-blue Monarch

2/9, 1 sp, Mama Roo's, Tangkoko
3/9, 4 sp, Tangkoko
12/9, 2 sp, Tambun, Waterbone
12/9, 2 sp, Toraut, Waterbone
15/9, 2 sp, Kosinggolan, Waterbone
16/9, 4 sp, Karaenta forest

Hypothymis p. puella

Cerulean Paradise-Flycatcher

28/9, 1 sp, Gunung Sahengbalira
30/9, 2 sp, Gunung Sahengbalira
31/9, 1 sp heard, Gunung Sahengbalira

Eutrichomyias rowleyi

White-naped Monarch

6/9, 1 sp, Dase hill trail, Kali Batu Putih
7/9, 1 sp, Foli
9/9, 1 sp, Dase hill trail, Kali Batu Putih

Monarcha pileatus

Spectacled Monarch

6/9, 7 sp, Dase hill trail, Kali Batu Putih
7/9, 1 sp, Foli
9/9, 5 sp, Dase hill trail, Kali Batu Putih

Monarcha trivirgatus

Moluccan Flycatcher

7/9, 2 sp, Foli
8/9, 1 sp, Foli
9/9, 2 sp, Anu's place, Kali Batu Putih

Myiagra galeata

Shining Flycatcher

6/9, 3 sp, Dase hill trail, Kali Batu Putih

Myiagra alecto

Whistlers and Allies

Pachycephalidae

Olive-flanked Whistler

11/9, 1 sp, Gunung Ambang
17/9, 1 sp, Anaso track, Lore Lindu
18/9, 5 sp, Anaso track, Lore Lindu
19/9, 1 sp, Anaso track, Lore Lindu
21/9, 2 sp, Anaso track, Lore Lindu

Hylocitrea b. bonensis

Maroon-backed Whistler

17/9, 1 sp, Anaso track, Lore Lindu
18/9, 1 sp, Anaso track, Lore Lindu
21/9, heard, Anaso track, Lore Lindu

Coracornis raveni

Sulphur-bellied Whistler

11/9, 4 sp, Gunung Ambang
17/9, 1 sp, Anaso track, Lore Lindu
18/9, 2 sp, Anaso track, Lore Lindu
19/9, 2 sp, Anaso track, Lore Lindu
20/9, 3 sp, Anaso track, Lore Lindu
21/9, 1 sp, Anaso track, Lore Lindu

Pachycephala sulfuriventer

Golden Whistler

6/9, 1 female, Dase hill trail, Kali Batu Putih
9/9, 2 sp, Dase hill trail, Kali Batu Putih

Pachycephala pectoralis

Drab Whistler

7/9, 1 sp, Foli
8/9, 1 sp, Foli
9/9, heard, Kali Batu Putih

Pachycephala griseonota

Sangihe Shrike-Thrush

30/9, 1 sp, Gunung Sahengbalira

Colluricincla sanghirensis

Babblers

Timaliidae

Malia

18/9, 4+ sp, Lore Lindu
19/9, 8 sp, Lore Lindu
21/9, heard, Lore Lindu

Malia grata stresemanni

Sulawesi Babbler

3/9, 1 sp, Tangkoko
4/9, 1 sp, Tangkoko
11/9, 3 sp, Gunung Ambang
12/9, 5 sp, Toraut, Waterbone
13/9, 5 sp, Toraut, Waterbone

Trichastoma c. celebense

Sulawesi Babbler

19/9, 4 sp, Lore Lindu

Trichastoma celebense rufofuscum

Thornbills and Allies***Acanthizidae***

Golden-bellied Gerygone

2/9, heard, Tangkoko

11/9, 2 sp, Gunung Ambang

19/9, 1 sp, Lore Lindu

20/9, 8 sp, Lore Lindu

*Gerygone sulphurea flaveola***Sunbirds and Spiderhunters*****Nectariniidae***

Plain-throated Sunbird

27/9, 1 male, Talawid

Anthreptes malacensis heliocalus

Plain-throated Sunbird

5/9, 2 sp, Tangkoko

14/9, 2 sp, Waterbone area

15/9, 5 sp, Kosinggolan, Waterbone

16/9, 5 sp, Karaenta forest

Anthreptes malacensis celebensis

Black Sunbird

27/8, 10+ sp, Lilipang Binala

28/8, 5 sp, Gunung Sahengbalira

29/9, 2 sp, Talawid

Leptocoma sericea sangirensis

Black Sunbird

3/9, 5 sp, Tangkoko

13/9, 2 sp, Muara Puisan, Waterbone

Leptocoma sericea grayi

Black Sunbird

20/9, 1 sp, Lore Lindu

21/9, 1 sp, Lore Lindu

Leptocoma sericea porphyrolaema

Black Sunbird

7/9, 10+ sp, Foli

8/9, 10+ sp, Foli

9/9, 5 sp, Kali Batu Putih

10/9, 2 sp, Kali Batu Putih lookout

Leptocoma sericea auriceps

Olive-backed Sunbird

3/9, 5 sp, Tangkoko

4/9, 2 sp, Tangkoko

5/9, 1 sp, Tangkoko

11/9, 5 sp, Gunung Ambang

13/9, 5 sp, Muara Puisan, Waterbone

14/9, 2 sp, Tambun, Waterbone

15/9, 5 sp, Kosinggolan, Waterbone

22/9, 10+ sp, Bora village

Cinnyris jugularis plateni

Olive-backed Sunbird
6/9, 10+ sp, Kali Batu Puti
7/9, 30+ sp, Foli
8/9, C, Foli
9/9, C, Kali Batu Putih
10/9, 5 sp, Kali Batu Putih lookout

Cinnyris jugularis frenatus

Elegant Sunbird
28/8, 3 sp, Gunung Sahengbalira
30/8, 3 sp, Gunung Sahengbalira
31/9, 5 sp, Gunung Sahengbalira

Aethopyga duyvenbodei

Eastern Crimson Sunbird
15/9, 2 sp, Tapakolintang, Waterbone

Aethopyga siparaja flavostriata

Eastern Crimson Sunbird
20/9, 1 sp, main road, Lore Lindu,

Aethopyga siparaja beccarii

Flowerpeckers

Dicaeidae

Yellow-sided Flowerpecker
4/9, 1 sp, Tangkoko
5/9, 10+ sp, Tangkoko
11/9, 1 sp, Gunung Ambang
15/9, 1 sp, Kosinggolan, Waterbone
16/9, 1 sp, Karaenta forest

Dicaeum a. aureolimbatum

Yellow-sided Flowerpecker
27/8, 10+ sp, Lilipang Binala
28/8, 1 sp, Gunung Sahengbalira
30/8, heard, Gunung Sahengbalira

Dicaeum aureolimbatum lateralie

Crimson-crowned Flowerpecker
11/9, 2 sp, Gunung Ambang
17/9, 2 sp, Anaso track, Lore Lindu

Dicaeum nehrkorni

Gray-sided Flowerpecker
2/9, 2 sp, Tangkoko
3/9, 2 sp, Tangkoko
4/9, 1 sp, Tangkoko
5/9, 3 sp, Tangkoko
13/9, 2 sp, Muara Puisan, Waterbone
14/9, 2 sp, Tambun, Waterbone
14/9, 2 sp, Tapakolintang, Waterbone
15/9, 1 sp, Tapakolintang, Waterbone
21/9, 2 sp, Lore Lindu

Dicaeum celebicum

White-eyes

Zosteropidae

Mountain White-eye

11/9, 20+ sp, Gunung Ambang
18/9, 2 sp, Lore Lindu
19/9, 4 sp, Lore Lindu
20/9, 2 sp, Lore Lindu

Zosterops m. montanus

Yellow-bellied White-eye

17/9, 3 sp, Lore Lindu
20/9, 3 sp, Lore Lindu
21/9, 2 sp, Lore Lindu
22/9, 5 sp, Bora village

Zosterops chloris mentoris

Black-ringed White-eye

16/9, 2 sp, Karaenta forest

Zosterops anomalus

Black-crowned White-eye

4/9, 4 sp, Gunung Ambang
5/9, 3 sp, Tangkoko
11/9, 15+ sp, Gunung Ambang
13/9, 2 sp, Toraut, Waterbone
14/9, 1 sp, Tambun, Waterbone
17/9, 15+ sp, Lore Lindu
19/9, 20+ sp, Lore Lindu
20/9, 10+ sp, Lore Lindu
21/9, 2 sp, Lore Lindu

Zosterops a. atrifrons

Cream-throated White-eye

8/9, 1 sp, Foli

Zosterops atriceps

Streak-headed White-eye

11/9, 10+ sp, Gunung Ambang

Lophozosterops squamiceps stresemanni

Streak-headed White-eye

17/9, 2 sp, Lore Lindu
18/9, 4 sp, Lore Lindu
19/9, 2 sp, Lore Lindu
20/9, 1 sp, Lore Lindu
21/9, 2 sp, Lore Lindu

Lophozosterops squamiceps striaticeps

Honeyeaters

Meliphagidae

Dusky Myzomela

7/9, 8 sp, Foli
9/9, 1 sp, Kali Batu Putih
10/9, 2 sp, Kali Batu Putih lookout

Myzomela obscura simplex

Sulawesi Myzomela

4/9, 1 sp, Gunung Tangkoko
11/9, 4 sp, Gunung Ambang
19/9, 4 sp, Lore Lindu

Myzomela c. chloroptera

White-streaked Friarbird

8/9, 1 sp, Foli

9/9, 1 sp, Dase hill trail, Kali Batu Putih

Melitograis gilolensis**Dark-eared Honeyeater**

11/9, heard, Singsingon

18/9, 2 sp, Lore Lindu

19/9, 3 sp, Lore Lindu

20/9, 2 sp, Lore Lindu

Myza c. celebensis**Greater Streaked Honeyeater**

17/9, 6 sp, Anaso track, Lore Lindu

18/9, 5 sp, Anaso track, Lore Lindu

20/9, 5 sp, Anaso track, Lore Lindu

21/9, 5 sp, Anaso track, Lore Lindu

Myza sarasinorum chionogenys**Old World Orioles*****Oriolidae*****Halmahera Oriole**

6/9, heard, Dase hill trail, Kali Batu Putih

7/9, 2 sp, Foli

10/9, heard, Kali Batu Putih lookout

Oriolus phaeochromus**Black-naped Oriole**

28/8, heard, Gunung Sahengbalira

29/8, 5 sp, Talawid

30/8, 5 sp, Gunung Sahengbalira

31/8, heard, Gunung Sahengbalira

Oriolus chinensis sanghirensis**Black-naped Oriole**

3/9, 2 sp, Tangkoko

11/9, 2 sp, Gunung Ambang

Oriolus chinensis celebensis**Drongos*****Dicruridae*****Hair-crested Drongo**

27/8, heard, Lilipang Binala

28/8, 1 sp, Gunung Sahengbalira

29/8, 5 sp, Talawid

30/8, 5 sp, Gunung Sahengbalira

31/8, heard, Gunung Sahengbalira

2/9, 1 sp, Tangkoko

3/9, 20+ sp, Tangkoko

4/9, 10+ sp, Tangkoko

5/9, 20+ sp, Tangkoko

11/9, 10+ sp, Gunung Ambang

12/9, 10+ sp, Tambun, Waterbone

12/9, 10+ sp, Toraut, Waterbone

13/9, 10+ sp, Muara Puisan, Waterbone

13/9, 10+ sp, Toraut, Waterbone

14/9, 10+ sp, Tambun, Waterbone

14/9, 10+ sp, Tapakolintang, Waterbone

Dicrurus hottentottus leucops

15/9, 2 sp, Tapakolintang, Waterbone
22/9, 2 sp, Bora village, Palu

Sulawesi Drongo

4/9, 2 sp, Gunung Tangkoko
17/9, 1 sp, Lore Lindu
18/9, 2 sp, Lore **Lindu**
19/9, 4 sp, Lore Lindu
20/9, 1 sp, Lore Lindu

Dicrurus montanus

Spangled Drongo

6/9, 10+ sp, Dase hill trail, Kali Batu Putih
7/9, 10+ sp, Foli
8/9, 10+ sp, Foli + Kali Batu Putih lookout
9/9, 5 sp, Kali Batu Putih
10/9, 5 sp, Kali Batu Putih lookout

Dicrurus bracteatus atrocaeruleus

Woodswallows

Artamidae

White-backed Woodswallow

13/9, 5 sp, Muara Puisan, Waterbone
14/9, 1 sp, Tapakolintang, Waterbone
17/9, 10+ sp, Lore Lindu
18/9, 5 sp, Lore Lindu
19/9, 2 sp, Lore Lindu
21/9, 2 sp, Lore Lindu

Artamus monachus

White-breasted Woodswallow

2/9, 5 sp, Tangkoko
4/9, 2 sp, Tangkoko
11/9, 3 sp, Gunung Ambang
12/9, 4 sp, Tambun, Waterbone
12/9, 4 sp, Toraut, Waterbone
14/9, 3 sp, Tambun, Waterbone
17/9, 2 sp, Lore Lindu
20/9, 10+ sp, Lorw Lindu
21/9, 2 sp, Lore Lindu

Artamus leucorhynchus albiventer

Birds-of-Paradise

Paradisaeidae

Paradise-crow

7/9, 1 sp + heard, Foli
8/9, heard, Foli

Lycocorax p. pyrrhopterus

Wallace's Standardwing

6/9, 4 sp, Dase hill, Kali Batu Putih
7/9, 1 sp, Foli
8/9, heard, Foli
9/9, 2 sp, Dase hill trail, Kali Batu Putih

Semioptera wallacii halmaherae

Crows, Jays and Magpies**Corvidae****Slender-billed Crow***Corvus enca celebensis*

- 2/9, 10+ sp, Tangkoko
- 3/9, 2 sp, Tangkoko
- 12/9, 10+ sp, Tambun, Waterbone
- 12/9, 10+ sp, Toraut, Waterbone
- 13/9, 10+ sp, Muara Puisan, Waterbone
- 13/9, 20+ sp, Toraut, Waterbone
- 14/9, 10+ sp, Tambun, Waterbone
- 14/9, 2 sp, Tapakolintang, Waterbone
- 15/9, 5 sp, Kosinggolan, Waterbone
- 15/9, 5 sp, Tapakolintang, Waterbone

Piping Crow*Corvus typicus*

- 19/9, 5 sp, Lake Tambing, Lore Lindu

Long-billed Crow*Corvus validus*

- 6/9, 2 sp, Sidangoli-Toraut
- 7/9, 10+ sp, Foli
- 8/9, 20+ sp, Foil + Kali Batu Putih lookout
- 9/9, 7 sp, Kali Batu Putih
- 10/9, 1 sp, Kali Batu Putih lookout

Starlings**Sturnidae****Metallic Starling***Aplonis m. metallica*

- 6/9, 10 sp, Halmahera
- 7/9, 50+ sp, Foli
- 8/9, 4 sp, Halmahera
- 9/9, C, Kali Batu Putih
- 10/9, 20+ sp, Kali Batu Putih lookout

Asian Glossy Starling*Aplonis panayensis sanghirensis*

- 27/8, 6 sp, Lilipang Binala
- 31/8, 1 sp, Gunung Sahengbalira

Moluccan Starling*Aplonis mysolensis sulaensis*

- 13/9, 2 sp, Muara Puisan, Waterbone

Moluccan Starling*Aplonis mysolensis mysolensis*

- 8/9, 2 sp, Foli
- 10/9, 3 sp, Kali Batu Putih lookout

Short-tailed Starling*Aplonis minor*

- 20/9, 4 sp, Wuasa
- 21/9, 2 sp, Wuasa

Sulawesi Myna

13/9, 1 sp, Muara Puisan, Waterbone
 14/9, 1 sp, Tapakolintang, Waterbone
 15/9, 2 sp, Kosinggolan, Waterbone

White-necked Myna

3/9, 3 sp, Tangkoko
 5/9, 1 sp, Tangkoko
 14/9, 8 sp, Tambun, Waterbone
 14/9, 15 sp, Tapakolintang, Waterbone

Fiery-browed Myna

11/9, 4 sp, Gunung Ambang
 15/9, 7 sp, Tapakolintang, Waterbone
 17/9, 6 sp, Lore Lindu
 18/9, 10 sp, Lore Lindu
 19/9, 8 sp, Lore Lindu
 20/9, 10 sp, Lore Lindu

Finch-billed Myna

3/9, 20+ sp, Tangkoko
 4/9, 20+ sp, Tangkoko
 5/9, 100+ sp, Tangkoko
 12/9, 20+ sp, Tambun, Waterbone
 13/9, 10+ sp, Toraut, Waterbone
 14/9, 5 sp, Tapakolintang, Waterbone

Basilornis celebensis***Streptocitta albigollis torquata******Enodes erythrophris******Scissirostrum dubium*****Old World Sparrows*****Passeridae*****Eurasian Tree Sparrow**

Seen at most populated areas on
 Sangihe, Halmahera and Sulawesi

Passer montanus malaccensis**Waxbills and Allies*****Estrildidae*****Blue-faced Parrotfinch**

18/9, 1 sp, Anaso track, Lore Lindu
 19/9, 1 sp, Anaso track, Lore Lindu

Erythrura trichroa sanfordi**Black-faced Munia**

7/9, 10+ sp, Foli
 9/9, 3 sp, Kali Batu Putih
 10/9, 5 sp, Kali Batu Putih lookout
 22/9, 2 sp, Bora village, Palu

Lonchura molucca**Nutmeg Mannikin**

15/9, 10+ sp, Doloduo-Toraut, Waterbone
 20/9, 20+ sp, Wuasa

Lonchura punctulata particeps

Chestnut Munia

- 12/9, 6 sp, Tambun, Waterbone
- 12/9, 2 sp, Doloduo-Toraut, Waterbone
- 13/9, 5 sp, Muara Puisan, Waterbone
- 14/9, 2 sp, Tapakolintang, Waterbone
- 15/9, 200+ sp, Doloduo-Manado
- 21/9, 10 sp, Bora village, Palu
- 22/9, 20 sp, Bora village, Palu

Lonchura atricapilla

Pale-headed Munia

- 21/9, 3 sp, Bora village, Palu
- 22/9, 40+ sp, Bora village + Oloboju River, Palu

Lonchura pallid

Siskins, Crossbills and Allies

Fringillidae

Mountain Serin

- 17/9, 1 sp, Anaso track, Lore Lindu
- 18/9, 6 sp, Anaso track, Lore Lindu

Serinus estherae renatae

Mammals

Taxonomy according to Duff, Andrew and Lawson, Ann "Mammals of the World: A Checklist" (2004).

Squirrels

Sciuridae

Rosenberg's Dwarf Squirrel 28/8-31/8, common at Gunung Sahengbalira	<i>Prosciurillus rosenbergii</i>
Sulawesi Dwarf Squirrel A few sp, Toraut, Waterbone	<i>Prosciurillus murinus</i>
Sulawesi Giant Squirrel 1 sp, Anaso track, Lore Lindu	<i>Rubrisciurus rubriventer</i>
Montane Long-nosed Squirrel A few sp, Lore Lindu	<i>Hyosciurus heinrichi</i>

Tarsiers

Tarsiidae

Sangihe Tarsier 28/8, 2 sp, Lilipang Binala	<i>Tarsius sangirensis</i>
Spectral Tarsier 3/9, 1 sp, Gunung Tangkoko	<i>Tarsius spectrum</i>

Old World Monkeys

Cercopithecidae

Moor Macaque 16/9, 2 sp, Karaenta	<i>Macaca Maura</i>
Sulawesi Crested Macaque 3/9, 20+ sp, Tangkoko 4/9, 20+ sp, Tangkoko	<i>Macaca nigra</i>
Tonkean Macaque A few sp along the main road, Lore Lindu	<i>Macaca tonkeana</i>

Pigs

Suidae

Sulawesi Wild Boar 6/9, a small group, Dase hill, Kali Batu Putih	<i>Sus celebensis</i>
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Cattle, Antelope etc.

Bovidae

Mountain Anoa 4/9, footprints, Gunung Tangkoko	<i>Anoa quarlesi</i>
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