THE BIRDS OF INDONESIUA, KUKILA CHECKLIST No. 1 ADDITIONS, CORRECTIONS AND NOTES -2

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The Indonesian Ornithological Society

This is the second update of the *Kukila* Checklist of the birds of Indonesia. The authorship of these checklist updates will be the Ornithological Society of Indonesia, or *Kukila* for ease of reference. This paper has been compiled by Derek Holmes, K. David Bishop and Paul Andrew.

The inaugural checklist was published in 1992 (Andrew 1992) and the first update appeared a year later (Andrew 1993). This second supplement is organized in the same way except that the many issues of classification that have been published since 1993 will be desk with in a separate paper that is currently in preparation. The main objective of the present paper is to present new distributional data. Most of the data are derived from published references, although a few are from submitted notes that await publication.

All revisions made to the Indonesian Checklist (Andrew 1992) in Andrew (1993) and in this current update are listed in the annex.

The following additions and deletions should be made to the Checklist under the region indicated. Species not preceded by a number are new to Indonesia.

Sumatra (including West Sumatra Islands, Riau archipelago, Bangka and Billiton).

- 124 Hieraaetus pennatus **Booted Eagle** (Rajathurai 1996)
- 156 Anas acuta Nortbern Pintail (Kukila 1996).
- 269 Heteroscelus brevipes Grey-tailed Tattler (Grantharn & Kemp, 2000)
- 301 Larus ridibundus Common Black-headed Gull (Sumatra Bird Report 2, in prep.).
 Sterna aleutica Aleutica Tern (Kennerley & Ollington 1998).
- 1013 Orthotomus sutorius Common Tailorbird (Rajathurai 1996).
- 1459 Dicrurus macrocercus Bleck Drougo (Ollington & Loh 1996).
- 1525 Corvus splendens Home Crow (Sheperd, 1999).

While six of these are assumed to be Palearctic winter migrants, including the Black Drongo, the tailorbird is likely to be resident on Bintan island. The House Crow is based on a record of a single bird at the port of Belawo% almost certainly ship assisted.

Kalimantan (including Anamba, Tambelen and Natuna Islands)

- 39 Ardea cinerea Grey Heron (van Balen 1999).
- 83 *Milvus inigrans* **Black Kite** (Kalimantan Bird Report 2 Holmes 1997). *Spilornis kinabaluensis* **Kinabalu Serpent-eagle** (van Balen 1999).
- 95 Circus spilonorus Eastern Marsh-harrier (van Balen & Nurwatha 1999).
- 108 Accipiter virgatus Besra (van Balen 1997).
- 492 Cuculus sparverioides Large Hawk-cuckoo (van Balen 1997).
- 555 Otus spilocephalus Mountain Scopowl (van Balen 1997). Harpactes whiteheadi Whitehead's Trogon (van Balen 1997).

Megalaima pulcherrima Golden-naped Barbet (van Balen 1997). 756 Psarisomus dalhousiae Long-tailed Broadbill (van Balen 2000). Hirundo daurica Red-runped Swallow (Eve & Guigue 1989). 778 831 Pericrocotus solaris Grey-chinned Minivet (van Balen 1997). Pycnonotus flavescens Flavescent Bulbul (van Balen 1997). 879 Brachypteryx montana White-browed Shortwing (van Balen 1997). 894 Monticola solitarius Blue Rock Thrush (Davison 1997). 905 Zoothera citrina Orange-hended Thrush (Larnan et al. 1996). Zoothera dauma Scaly Thrush (Laman et al. 1996). 908 990 Cettia vulcania Sunda Bush-warbler (van Balen 1997). 995 Megalurus palustris Striated Grassbird (van Balen 1999). Rhinomyias gularis White-browed Rinomyias (van Balen 1997). 1041 Eumyias indigo Indigo Flycatcher (van Balen 1997). Arachnothera juliae Whitehead's Spiderhunter (van Balen 1997). 1277 Zosterops atricapilla Black-capped White-eye (van Balen 1997). 1388 Erythrura hyperythra Tawny-breasted Parrot-finch (van Balen 1997).

The majority of these species were found in the mountainous regions along the northern border with Sabah and Sarawak, and represent relatively minor and not unexpected extensions of known range. Most of the others are Palearctic migrants or vagrants. See under Miscellaneous Notes for comment on Red rumped Swallow. Probably only the Striated Grassbird represents a genuine range expansion facilitated by the new expanses of open habitat, but further such range expansions can surely be predicted.

The following two species are already listed for the region but are added here as noteworthy for being first records for the Kalimantan mainland:

- 252 Charadrius veredus Oriental Plover (van Balen & Hedges 2000) previously recorded from Natuna Islands only (Andrew 1992).
- 1042 Ficeduld zanthopygia Yellow-rumped Flycatcher (Brooks 1996) previously recorded from Anambas Islands only (Andrew 1992).

Java (including Bali)

Haematopus fuliginosus Sooty Oystercatcher (Mason 1997) Bali.

- 301 Loarus ridibundus Common Black-headed Gull (Myers 2000) Bali. Stema aleutica Aleutian Tern (Hill & Bishop 1999).
- 881 *Luscinia cyane* **Siberian Blue Robin** (Luijendijk & Scharringa 1999).

The following four species should be removed from the list for the Java region. The unique specimen of Rajah's Scopsowl has been re identified as Javan Scopsowl, and the other three species are considered to represent aviary escapees (see Miscellaneous Notes).

- 482 Loriculus galgulus Blue-crowned Hanging-parrot (listed citing Balen & Lewis 1991)
- 563 Otus brooki **Rajah's Scopowl** (listed citing Kuroda 1936, but see Becking 1994)
- 1387 Taeniopygia guttata **Zebra Finch** (added by Andrew 1993 citing Mason 1993). As there is no change to the checklist entry, this species is not included in the Annex below.
- 1398 Lonchura leucogastra White-bellied Munia (listed citing Hoogerwerf 1962)

Sulawesi

[The Indonesian checklist (Andrew 1992) and others (see White & Bruce 1986, Coates & Bishop 1997) consider that die Sula Islands avifauna has closer biogeographical affinities with Sulawesi than with the Moluccas. *Kukila* will continue to follow this arrangement. Nevertheless, it should be noted that for political and practical reasons BirdLife International Indonesia prefers to follow the administrative boundaries and includes the Sula Islands within the Maluku administrative region. It is for this reason that the Checklist prefers to use the more general names of Moluccas and Lesser Sundas].

- 95 Circus spilonotus Eastern Marsh-harrier (Wardill & Katuuk 1999).
- 134 Falco tinunculus Eurasian Kestrel (Riley 1997).
 - Gymnocrex talaudensis Talaud Rail (Lambert 1998a).
 - Amaurornis magnirostris Talaud Bush-hen (Lambert 1998b).
- 236 Rostratula benghalensis Greater Painted Snipe (Bishop & Bishop 1999).
 - Tringa erythropus Sppoted Redashank (Riley 1997).
 - Sterna aleatica Aleutian Tern (Hill & Bishop 1999).
 - Ninox ios Cinnabar Owl (Rasmussen 1999).
- 998 Locustella lanceolata Lanceolated Warbler (Wardill & Riley 2000).
- 1024 Phylloscopus poliocephalus Island Leaf-warbler (Sula Stones et al. 1997). Emberiza spodocephala Black-faced Bunting (Sula Stones et al. 1997).

The two rails recently discovered on Karakelong in the Sangihe Talaud group are new to science. Thie *Ninox* is technically a taxonomic re evaluation but has been included here as it was first identified as a colour morph.

Other species are presumed migrant, although the status of the Painted Snipe remains uncertain. It is mange that this species should have been previously overlooked. We see no reasonn to reject the record of a migrating European Kestrel in the Sangihe Talaud group (see Coma & Bishop 1997).

Moluccas

298	Stercorarius parasiticus Arctic Jaeger (Poulsen in prep.).
299	Stercorarius longicaudus Long-tailed Jaeger (Poulseti in prep.).
306	Hydroprogne caspia Caspian Tern (Ekstrorn & Isherwood 2000).
646	Alcedo pusilla Little Kingfisher (White & Bruce 1986).

The little Kingfisher was overlooked in the Checklist (cf. Andrew 1992:25 and White & Bruce 1986:281).

The following nomenclatural change should be noted:

421 Eos bornea Moluccan Red Lory reverts to Eos rubra (Walters 1998).

Lesser Sundas

67 Leptoptilos javanicus Lesser Adjutant (Johnstone et al. 1996).
Sterna paradisea Arctic Tern (R. Johnstone in litt. to P. Andrew, female collected 24
October 1990 at Semau Island, specimen in Western Australian Museum).

999 Locustella certhiola Pallas's Warbler (Bishop in prep.).

Irian Jaya

- 81 Macheiramphus alcinus Bat Hawk (Glynn 1995).
- 273 Limnodromus sentipalmatus Asian Dowitcher (Bostock 2000).
 Recurvirostra novaehollandiae Australian Avocet (Bostock 2000).
- 778 Hirundo daurica Red-rumped Swallow (Gregory et al. 1996).
- 894 Monticola solitarius Blue Rock Thrush (Gregory et al. 1996).
 Passer domesticus House Sparrow (Holmes & Gregory 1997).

Four of these species are migrants (although perhaps vagrant status should be awarded to the Avocet), while the Bat Hawk is presumed to be a previously overlooked resident. See under Miscellaneous Notes for comment on Red rumped Swallow. The House Sparrow is either expanding its range from its fen] base in Papua New Guinea or, more probably, has made a separate ship or plane assisted entry; it, appears to be competing with Tree Sparrow *Passer montanus* in the occupation of new territories.

Miscellaneous Notes

Records of 'red rumped swallows'

Red rumped Swallow *Hirundo daurica* was fisted for Sumatra on the basis of a single sight record cited in Marle & Voous (1988) with the caveat that its status required review (Andrew 1992:59). The situation has clarified slightly with specimens collected in Australia, one from the north west of Western Australia and a second from north east Queensland, having been identified as the northern migrant subspecies *H. daurica japonica*. Whilst there are still no specimen records of *daurica* identified from Indonesia it would seem reasonable to continue to accept winter records of red rumped swallows reported outside of the range of resident *striolata* as *daurica* until the situation is further clarified. Exotics

Exotics

When the only regional record is believed so represent a feral population it is indicated by an 'F' in the Checklist. A feral status is not always easily decided, particularly in a country where caged birds are so popular (Andrew 1992 4). Nevertheless 'F' is a useful category as few populations can have considerable impact on indigenous species. The term is sometimes restricted to a domestic population returned to the wild but here includes wild form deliberately translocated. It does not cover ship assisted vagrants, which we currently include (e.g. House Sparrow, House Crow), or individual escapees, which we currently exclude. The following records are thought to represent individual escapees and have not been accepted for the region in question:

- 141 Anseranus senripalmatus Magpie Goose (Moores & Healey 1995). There is no confirmation that the single bird kept on the island of Banda (Moluccas) arrived unassisted (see also Coates & Bishop 1"7).
- 394*Streptopelia tranquebarica* Red Collard Dove. This species is feral in Sulawesi, but the record from Java (van Balen 1997) is assumed to represent an escapee.
- 1384 Amandava amandava Red Avadavat (Kalimantan Bird Report 2 Holmes 1997).

 Pending further data, birds in Kalimantan are presumed to represent a temporary feral population.

Finally, the establishment of *Lonchura pallidiventer* **Cream-bellied Munia** (Restall 1996) for Kalimantan, accepted by Inskipp *et al.* (1996), is disputed by van Balen (1999) who considers that the birds in question were hybrids. Acceptance of *pallidiventer* should be deffered pending the studies recommended by van Balen (1998). See also LeCroy (1999).

References

- Andrew. P. 1992. The birds of Indonesia A checklist (Peters' sequence). Jakarta: Indonesian Ornithological Society.
- Andrew, P. 1993. The bird of Indonesia. Kukila checklist no. 1. Additions, corrections and notes 1. Kukila 6(2):47 52.
- Balen, S. van. 1997. Faunistic notes from Kayan Mentarang with new records for Kalimantan. *Kukila* 9: 108 113.
- Balen S. van. 1998. A hybrid munia? Bull. Brit. Orn. Cl. 118(2): 118 119.
- Balen, S. van. 1999. Note on the distribution of the Kinabalu Serpent eagle with a first record for Kalimantan. Kukila 10: 154 156
- Balen. S. van. 1999. First record of Grey Heron in Kalimantan. Kukila 10: 156 157.
- Balm S. van & Pupung F. Nurwatha. 1999. Eastern Marsh harrier in Kalimantan. Kukila 10: 152 153.
- Balen, S. van. 1999. Note on a sighting of Striated Grassbird in Kalimantan. Kukila 10: 157 158
- Balen S. van. 2000. A record of Long tailed Broadbill from Kalimantan. Kukila 11: 146 147
- Bishop, K.D. In prep. Pallas's Grasshopper Warbler *Locustella certhiola*; a new bird for Wallacea. *Kukila* 12.

- Bishop, R. & A. Bishop. 1999. A record of Greater Painted snipe *Rostratula benghalensis* in Sulawesi, Indonesia. *Forktail* 15:105.
- Bostock, S. 2000. Australian Avocet in Irian Jaya. Kukila 11: 152
- Brooks, T. 1996. A record of Yellow rumped Flycatcher from Kalimantan. Kukila 8: 151 152
- Coates, B.J. & K.D. Bishop. 1997. A guide to the Birds of Wallacea: Sulawesi, The Moluccas and Lesser Sunda Islands, Indonesia. Alderley: Dove Publications.
- Davison, G.W.H. 1997. Bird observations on Pulau Laut, South Kalimantan. Kukila 9: 122 125.
- Dickinson, E.C., R.S. Kennedy & K.C. Parkes. 1991. *The birds of the Philippines. An annotated checklist.* Tring, U.K: British Orn. Union (Check fist no. 12).
- Ekstrom, J.M.M. & 1. Isherwood. 2000. New and noteworthy bird records from the island of Seram, Maluku. Kukila 11: 51 57.
- Eve, R. & A.M. Guigue. 1989. Survey of the Mahakam River Delta, East Kalimantan, with special reference to its waterbirds. Publ. No. 45, Asian Wetland Bureau, Kuala Lumpur.
- Glynn, W.F. 1995. Bat Hawk (Macheiramphus alcinus) sighting from Kobakma, Irian Jaya, Indonesia on 8th December 1990. Muruk 7(3): 122 123.
- Grantham, M. & N. Kemp. 2000. First record of Grey tailed Tattler in Sumatra. Kukila 11: 127.
- Gregory, P., I. Burrows, R. Burrows & G. Burrows. 1996. Red rumped Swallow at Manokwari, a new species for Irian Jaya. *Kukila* 8: 153.
- Gregory, P., I. Burrows, R. Burrows & G. Burrows. 1996. Blue Rock thrush, a new species for Irian Jaya. *Kukila* 8: 154.
- Hill, N.P. & K.D. Bishop. 1999. Possible winter quarters of the Aleutian Tern. Wilson Bull. 111 (4):159 160,
- Holmes, D.A. & P. Gregory. 1997. Records of House Sparrows in Irian Jaya. Kukila 9:182 183.
- Inskipp, T., N. Lindsey & W. Duckworth. 1996. An Annotated Checklist of the Birds of the Oriental Region. UK: Oriental Bird Club.
- Johnstone, R.E., P. Jepson, S.H.M. Butchart, J.C. Lowen & D. Prawiradilaga. 1996. The birds of Sumbawa, Moyo and SangeW Islands, Nusa Tenggara, Indonesia. Records of the Western Australian Museum 18:157-178.
- Kennerley, P. & R. Ollington. 1998. Aleutian Terns in South east Asia. Oriental Bird Club Bull. 27:34 41.
- Kukila. 1996. Sumatra Bird Report. Kukila 8:9 56.
- Kukila. 1997. Kalimantan Bird Report 2. Kukila 9: 141 169.
- Kuroda, N. 1936. The Birds of the Island of Java. Vol. 2. Non-Passeres. Tokyo: Author.
- Laman, T.G., J.C. Gaither & D.E. Lukas. 1996. Rain forest bird diversity in Gunung Palung National Park, West Kalimantan, Indonesia. *Tropical Biodiversity* 3(3): 281–296.
- Lambert, F.R. 1998a. A new species of *Gymnocrex* from the Talaud Islands, Indonesia. *Forktail* 13:1 6.
- Lambert, F.R. 1998b. A new species of *Amaurornis* from the Talaud Islands, Indonesia, and a review of the taxonomy of bush hens occurring from the Philippines to Australia. *Bull. Brit. Orn. C1*. 118(2):67 82.
- LeCroy, M. 1999. Type specimens of new forms of Lonchura. Bull. Brit. Orn. C1. 119(4): 214220.
- Luijendijk T.J.C. & J. Scharringa. 1999. Siberian Blue Robin in West Java. Kukila 10: 161 162

Mason, V. 1993. A note on the occurrence of Zebra Finch on Bali. Kukila 6 (2):132.

Mason. V. 1997. Sooty Oystercatcher. a new species for Indonesia. Kukila 9: 180 182.

Moores, L. & C. Healey. 1995. Addition to the avifauna of the Banda Islands, Maluku Unpublished ms.

Myers, E.T. 2000. A record of Black headed Gull in Bali. Kukila 11: 137.

Ollington, R.F. & F. Loh. 1996^a. Aleutian Terns wintering area found. *Birdline Singapore Monthly Newsletter* 42 for Februry, 1996.

Ollington, R.F. & F. Lob. 1996^b. Karimun Besar recent birdlist, updated 01.04.96. *Birdline Singapore Monthly Newsletter* 43 for March 1996.

Rajathurai, S. 1996. The birds of Batam ad Bintan Islands, Riau archipelago. Kukila 8:86 113.

Rasmussen, P.C. 1999. A new species at hawk owl *Ninox* from North Sulawesi, Indonesia. *Wilson Bull*. 111(4):457 464.

Restall, R. 1996. A proposed new species of munia, genus *Lonchura* (Estrildinae). *Bull. Brit Orn. Cl.* 116(3):137 142.

Riley, J. 1997. The birds of Sangihe and Talaud, North Sulawesi. Kukila 9:3 36.

Shepherd, C. 1999. House Crow observed in North Sumatra. Kukila 10: 162 163

Stones, A.J., R.S. Lucking, P.J. Davidson & W. Raharjaningtrah. 1997. Checklist of the bids of the Sula Islands (1991), with particular reference to Taliabu island. *Kukila* 9:37–55.

Stones, A.J., N.A.J. Bean & S. van Balem 1997. Black faced Bunting *Emberiza spodocephala* on Taliabu Island, Sunda Island group; the first record for Indonesia. *Kukila* 9:56–57.

Walters, M. 1998. What is Psittacus borneus Linnaeus? Forktail 13: 124-125.

Wardill, J.C. & Feibe S.G. Katuuk 1999. Eastern Marsh harrier in Sulawesi. Kukila 10: 151 152

Wardill, J.C. & J. Riley. 2000. Lanceolated Warbler records from Sangihe Island, North Sulawesi. Kukila 11:148 149.

ANNEX

CUMULATIVE CHECKLIFF UPDATE

All revisions made to the Indonesian checklist (Andrew 1992) in Andrew (1993) and in this current update are fisted below. For definitions and symbols, see Andrew (1992).

For entries with a serial number: replace former checklist text with the new text. For entries without serial number, these are additions to the Indonesian fist since the checklist was published, or are newly described species. For species numbers 272, 1035 and 1456, refer to the errata under Miscellaneous Notes in Andrew (1993).

39	Grey Heron	Ardea cinerea	S	K	J			T		
67	Lesser Adjutant	Leptotilus javanicus	S	K	J			T		
81	Bat Hawk	Macheiramphus alcinus	S	K		С			Ι	P
83	Black Kite	Milvus migrans	S	K		С	M	T	I	f
	Kinabalu Serpent-eagle	Spilornis kinabaluensis		K						В
95	Fastern Marsh-harder	Circus spilonotus	S	K		С			I	P
108	Besra	Accipiter virgatus	S	K	J			T		
	Spotted Eagle	Aquila clanga.	S							
124	Booted Eagle	Hieraaetus pennatus	S		J					
134	Eurasian Kestrel	Falco tinnunculus	S			С				
156	Northern Pintail	Anas acuta	S		J					f
182	Ferruginous Partridge	Caloperidix oculea	S	K						
	Talaud Rail	Gymnocrex talaudensis				С				Е
	Talaud Bush-hen	Amaurornis magnirostris				С				Е
236	Greater Painted Snipe	Rostratula benghalensis	S	K	J	С		T		f
	Sooty Oystercatcher	Haematopus fuliginosus			J					
	Spotted Redshank	Tringa erythropus	S		J	С				f
269	Grey-tailed Tattler	Heterscelus brevipes	S	K	J	С	M	T	I	f
272	Long-billed Dowitcher	Limnodromus scolapaceus								BP
273	Asian Dowitcher	Limnodromus semipalmatus	S	K	J	С		T	I	f
	Australian Avocet	Recurvirostra novaehollandiae							I	
298	Arctic Jaeger	Stercorarius parasiticus	1 -		J	С	M			
299	Long-tailed Jaeger	Stercorarius longicaudus					M	T		
301	Common Black-headed Gul	Larus ridibundus	S		J	С	M		I	f
	Silver Gull	Larus novaehollandiae							I	

306	Caspian Tern	Hydroprogne caspia	S				M	T	I
	Arctic Tem	Sterna paradisea						T	
	Aleutian Tern	Sterna aleufica	S		J	С			
411	Western Crowned Pigeon	Goura cristata					F		I
421	Moluccan Red Lory	Eos rubra					M		
482	Blue-crowned Hanging-parrot	Loriculus galgulus	S	K					
492	Large Hawk-cuckoo	Cuculus sparverioides	S	K	J	С			
502	Brush Cuckoo	Cacomantis variolosus				С	M	T	I
555	Mountain Scopsowl	Ottus spilocephalus	S	K					
563	Rajah's Scopsowl	Ottus brookii	S						
	Cinnabar Hawk-owl	Ninox ios				С			
	Whitehead's Trogon	Harpactes whiteheadi		K					
646	Little Kingfisher	Alcedo pusilla					M		I
647	Variable Dwarf Kingfisher	Ceyx lepidus				С	M		I
	Golden-naped Barbet	Megalaima pulcherrima		K					
756	Long-tailed Broadbill	Psarisomus dalhousiae	S	K					
	Whitehead's Broadbill	Calyptomena whiteheadi		K					
778	Red-rumped Swallow	Hirundo daurica	S	K					I
831	Grey-chinned Minivet	Pericrocotus solaris	S	K					
	Flavescent Bulbul	Pycnonotus flavescens		K					
879	White-browed Shortwing	Brachypteryx montana	S	K	J			T	
881	Siberian Blue Robin	Luscinia cyane	S	K	J				
892	Pied Bush-chat	Saxicola caprata	S		J	С		T	I
894	Blue Rock Thrush	Monticola solitarius	s	K		C	M		I
905	Orange-headed Thrush	Zoothera citrina	s	K	J				
908	Scaly Thrush	Zoothera dauma	S	K	J			T	
990	Sunda Bush-warbler	Cettia vulcania	S	K	J			T	
995	Striated Grassbird	Megalurus palustris		K	J				
998	Lanceolated Warbler	Locuslella lanceolata	S		J	С	M		
999	Pallas's Warbler	Locustella certhiola	S	K	J	С		T	
1013	Common Tailorbird	Orthotomus sutorius	S		J				
1024	Island Leaf-warbler	Phylloscopus poliocephalus				С	M		I
	White-browed Rhinomyias	Rhinomyias gularis		K					
1035	Grey-streaked Flycatcher	Muscicapa griseisticta	1.	K		С	M	Т	I
1041	Indigo Flycather	Eumyias indigo	S	K	J				
	Mangrove Famail	Rhipidura phasiana	1.					-	I

1204	Drab Whistler	Pachycephala griseonata				C	M			Е
	Whitehead's Spiderhunter	Arachnothera juliaae		K						В
1277	Black-capped White-eye	Zosterops atricapilla	S	K						В
1388	Tawny-breasted Parrot-finch	Erythrura hyperythra		K	J	C		T		
1398	White-bellied Munia	Lonchura leucogastra	S	K						
	House Sparrow	Passer domesticus							I	
	Black-faced Bunting	Emberiza spodocephala				С				
1425	Metallic Starling	Aplonis metallica				C	M	T	I	
1454	Black-and-crimson Oriole	Oriolus cruentus	S	K	J					
1456	Wetar Figbird	Sphecotheres hypoleucus						T		I
1459	Black Drongo	Dicrurus macrocercus	S		J					
1521	Comrnon Green Magpie	Cissa chinensis	S	K						
1525	House Crow	Corvus splendens	S		J					

The summary table of number of species in Andrew (1992 errata). was as follows:

REGION	NUMBER	OF SPECIES	SPECIES ENDEMIC TO:				
			INDONESIA	REGION			
Indonesia	1531	[plus 3 feral]	381				
Sumatra	600	[plus 5 feral]	37	20			
Kalimantan	479	[plus 3 feral]	5	1			
Java	498	[plus 1 feral]	59	29			
Sulawesi	380	[plus 9 feral]	115	96			
Moluccas	344	[plus 9 feral]	96	65			
Lesser Sundas	398	[plus 4 feral]	104	72			
Irian Jaya	647	[plus 2 feral]	52	39			

With the revisions presented here, d9s table is now revised as follows:

REGION	NUMBEI	R OF SPECIES	SPECIES EN	DEMIC TO:
			INDONESIA	REGION
Indonesia	1551	[plus 3 feral]	384	
Sumatra	610	[plus 5 feral]	37	20
Kalimantan	508	[plus 3 feral]	5	1
Java	498	[plus 1 feral]	59	29
Sulawesi	396	[plus 9 feral]	119	99
Moluccas	349	[plus 10 feral]	97	65
Lesser Sundas	403	[plus 4 feral]	104	72
Irian Jaya	655	[plus 2 feral]	52	39

In addition, 5 of the species new to Kalimantan are found outside of Indonesia only in Borneo.