SPECIAL REPORT The bird trade in Medan, north Sumatra: an overview

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Introduction

Trade is a serious threat to the conservation of numerous species of birds in Indonesia. Keeping birds as pets in Indonesia is a very popular and widespread hobby (Shepherd *et al.* 2004, Jepson & Ladle 2005). While some of the birds are intended for international export, the bulk of the trade supplies local demand. This trade involves large volumes of birds, with the vast majority of them being wild-caught (Shepherd *et al.* 2004). Virtually all towns and cities in Indonesia have bird markets and very little is done to regulate or monitor the trade and to ensure it is both legal and sustainable. Most bird species are traded for pets, while a few species are traded for food, and to a far lesser extent, for medicinal and folk magic purposes.

Indonesia has committed to the conservation of its wildlife through national and international legislation and is a signatory to the Convention on International Trade in Endangered Species of Wild Flora and Fauna (CITES). However, despite being a party to CITES and having good national wildlife protection laws, illegal trade continues to flourish, openly throughout the country.

A study was carried out by the South-East Asia office of TRAFFIC, the wildlife trade monitoring network of WWF and IUCN, to survey three bird markets in the city of Medan, the provincial capital of North Sumatra, Indonesia (*Open Season: An analysis of the pet trade in Medan, Sumatra 1997–2001*). The main objectives of this study were to document the species in trade, the number of species being traded that were protected by law and to determine trade routes and other relevant market dynamics. The three markets were chosen because huge volumes of birds passed through these markets, many of them threatened and legally protected species.

Methods

Surveys of the three bird markets in Medan (Jalan Bintang, Petisah and Sembahe), which totalled more than 50 individual stalls selling birds, were carried out on a monthly basis between 1997 and 2001. A spot-check on the markets was also carried out in December 2005.

Building a relationship with dealers in the bird markets was a key element of the surveys' success. Dealers offered valuable information through numerous informal interviews and conversations which took place during the repeated visits made to the markets.

During these surveys, all species observed and the quantities of each species were recorded.

Estimates of the quantities of species that were very common and numerous, and legally unprotected, were made. Accurate counts of all other species were made. Species identification was made on the basis of personal knowledge and with reference to field guides. Photographs were taken whenever possible to assist in identification. A total of 16 avian species that could not be identified at least to a genus level were omitted from the analysis of the trade in these markets.

Legislation

Indonesia has been Party to CITES since 1978, (which entered into force in March 1979). National legislation allows native species listed on Appendix II and III of CITES, as well as non-CITES species that are not fully protected by national law (CITESlisted species are not necessarily protected by national legislation in Indonesia, while some non-CITES-listed species are fully protected), to be traded, following a harvest and export quota system. Of the entire harvest quota, only 10% may be for domestic trade, whether protected by national legislation or not. The bulk of the numbers harvested are for export.

The quotas are set on an annual basis for all species at a meeting of various stakeholders including the Directorate General of Forest Protection and Nature Conservation (PHKA-the CITES Management Authority), and the Indonesian Institute of Sciences (LIPI-the CITES Scientific Authority), non-government conservation organisations and licensed wildlife traders. These quotas are reported by PHKA to the CITES Secretariat at the beginning of each year. CITES requires sustainability assessments, known as "non-detriment findings" to be carried out by the authorities themselves or in collaboration with conservation organisations for CITES-listed species in trade, however, such studies are not being carried out prior to the quotas being set. Therefore, there is no accurate information to gauge levels of sustainable off-take. Furthermore, the harvest and export limits are not adequately enforced.



Plate 1. White-crested Laughingthrush Garrulax leucolophus of both the Sumatran and mainland South-East Asian subspecies are commonly sold in the markets. Dealers claim that this species is becoming increasingly scarce on Sumatra.



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Plate 4. White-headed Munias Lonchura maja are sent without permits to Malaysia and Singapore in large quantities, to be released for religious purposes.



Plate 2. Fire-tufted Barbets Psilopogon pyrolophus in cages. There is no legal capture or trade of this species in Indonesia.



Plate 5. Red-breasted Parakeets Psittacula alexandri and other species of parrots are sold in large volumes in Medan.



Plate 3. Hill Mynas Gracula religiosa are heavily harvested in Sumatra, and are becoming increasingly scarce. Many of the Hill Mynas for sale in Medan come from Malaysia and other parts of South-East Asia.



Plate 6. White Cockatoos Cacatua alba taken from the wild and smuggled to Medan's markets by land and air. These birds are often smuggled out of Indonesia to nearby Malaysia and Singapore.



Plate 7. Black-winged Kites *Elanus caeruleus* were the most commonly observed raptor in trade during this study.



Plate 9. Fire-tufted Barbets *Psilopogon pyrolophus* and Javan Mynas *Acridotheres javanicus* are sold in large quantities in the Medan bird markets.



Plate 8. A Barn Owl *Tyto alba* peers through the bars of a small cage. Owls are traded largely for novelty pets.



Plate 10. A young scops owl Otus sp. to be sold as a novelty pet.

Harvest quotas are divided by province, with a limited amount being allowed from each designated area. Wildlife cannot be harvested from a province that has no allotted quota. If an exporter does not finish the allotted quota in a year, it is forfeited—the remaining volume that was not realized cannot be added to the following year's quota.

All wildlife traders in Indonesia must be registered with PHKA. Anyone not registered is not permitted to harvest and trade.

The Decree of the Ministry of Forestry No. 447/ Kpts-11/2003 (revised from Decree of the Ministry of Forestry No. 62/Ktps-II/1998) requires any harvest or capture and distribution of wild plant and animal specimens to be done under a license. Sending or transporting wildlife from one location to another within Indonesia must be covered by legal documents, according to Article 42, Chapter X of the Regulations of the Government of the Republic of Indonesia Number 8 (1999), whether the species is protected by law or not. Collectors and suppliers (or middlemen) must be registered with regional offices for the Natural Resources Conservation Agency (BKSDA), the agency under PHKA responsible for the regulation of wildlife trade at the provincial level (Siswomartono, 1998).

Since 2002, Indonesia has not permitted export of any wild CITES-listed bird species. Low harvest quotas were set for Appendix II -listed birds since 2002 for captive breeding purposes only, and not for trade.



Plate 11. White-headed Munias *Lonchura maja* and Scalybreasted Munias *L. punctulata* are sent in large volumes to Malaysia and Singapore. These birds suffer very high mortalities, even before export—note dead birds on top of cage.

Furthermore, since 2005, no international trade of birds has been permitted due to the risk of avian influenza. During a recent spot-check on the three bird markets in Medan in 2005, it was observed that verv few non-native and non-Sumatran species were available. According to dealers, this was due to import restrictions, stemming from the threat of avian influenza. However, the quantities of species and individual birds observed were much the same as in previous surveys. Dealers stated that more birds were being captured in Sumatra to meet the demand and fill the void caused by the threat of avian influenza. Six dealers were questioned regarding bird flu and all six stated that they did not believe such a virus existed and that it was merely a rumour, most likely concocted by competing bird traders in other South-East Asian countries.

Observations

During the surveys carried out between 1997 and 2001, an average of more than 3,500 birds was observed on each survey, representing a total of 300 species across the whole five years.

Plate 12. Hundreds of Purple-backed Starling *Sturnus sturninus* for sale in Medan bird markets.



Of the 300 species of birds observed, a total of 56 were totally protected by law in Indonesia, and were offered for sale illegally. Some species of nonprotected birds may be permitted in trade, provided they are legally sourced, following quota, transport and trade regulations. However, the vast majority of these species should also be considered illegal, as the regulations and quotas governing legal trade were not adhered to, based on numbers observed during these surveys, and information gleaned from conversations with the bird dealers. The large volumes of birds far exceeded the allowed quotas and were taken out of areas where quotas had already been exhausted or from areas not included in the quota. Such practices undermine efforts by the authorities in Indonesia to control and ensure any semblance of sustainable trade. Many birds were also reportedly trapped in protected areas, such as the Gunung Leuser National Park. Bird trappers and dealers were observed to be indiscriminate in the species they catch and sell, although legally protected and rare species, as well as species valued as song birds, are often preferred, as they command higher prices. Trappers and traders state that species highly valued in the trade are in decline in the wild, such as the Straw-headed Bulbul Pycnonotus zeylanicus and the Hill Myna Gracula religiosa (especially the subspecies G. r. robusta from the west coast island of Nias), due to over-harvesting.

Legally protected species are openly displayed in these markets, indicating a lack of effort on behalf of the enforcement authorities. Dealers are highly aware of the status of protection of the various species, and demand higher prices for protected ones. For example, 49 Yellow-crested Cockatoos *Cacatua sulphurea*, protected in Indonesia, were observed for sale during the 12 surveys conducted monthly in 2001. While there is some captive breeding of this species, none of the individuals observed during these surveys was

Plate 13. Purple-backed Starling *Sturnus sturninus* crammed into cages for sale in Medan.



acquired legally, as dealers admitted that the birds had been obtained from the wild.

While the trade in legally protected species is an obvious concern, the trade in unprotected species is also in need of urgent attention. Though regulations and quotas are set to ensure the trade in these species remains sustainable, these are seldom, if ever, adhered to. For example, the trade of the Rainbow Lory *Trichoglossus haematodus* was allowed prior to 2002, regulated by the harvest and export quota system. In 2001, a total of 175 Rainbow Lories were allowed to be taken from the wild in Indonesia, with less than 20 of these for the domestic market. Despite these controls, a total of 600 were observed during 12 monthly surveys conducted in 2001, in the markets of Medan alone.

The trade of unprotected species that do not have quotas is largely overlooked. These species are not listed as being protected by Indonesian law, but are not permitted in trade as there is no harvest or trade quota. All fauna species traded in Indonesia are subject to quota regulations. However, these species make up a large portion of the species in trade and are often traded in very large volumes. For example, the Fire-tufted Barbet Psilopogon pyrolophus is not protected by law, has no capture or trade quota and therefore should not be in the bird markets. However, during the 12 surveys conducted monthly in 2001, 1,409 Fire-tufted Barbets were observed. These figures should be considered a gross underestimate of the actual quantities in trade: e.g. one dealer in Medan claimed to export approximately 500 Fire-tufted Barbets to the Pramuka bird market in Jakarta, the capital city of Indonesia, each week, by public bus.

Conclusion/Discussion

The bird trade in Indonesia is carried out largely in an illegal manner. It appears to be a serious threat to many species and demands urgent attention from government and conservation organisations. The fact that the illegal trade of birds is carried out in an open fashion points directly to a lack of enforcement by the authorities. In conversations with dealers, it was clear that they were well-versed with the relevant legislation. In fact, they used the protected status of the relevant species to demand a higher price. They were clearly not concerned with potential legal action against them.

As long as the trade is carried out in an uncontrolled and unregulated manner, it will continue to be a serious threat to the conservation of Indonesia's avifauna. Also, it is a threat to nonnative species that are traded in these same markets. While very little research has been carried out to determine the impact trade has on wild populations, dealers themselves in the Medan bird markets stated that many species are becoming increasingly difficult to obtain from the wild in Indonesia. Some species once relatively easy to obtain in Sumatra, such as the Hill Myna and the Straw-headed Bulbul are now imported from Malaysia and other countries. A few species are also being bred in captivity, such as Spotted Dove *Streptopelia chinensis* and Zebra Dove *Geopelia striata*. However, according to dealers, wild birds are still captured and in some cases, these are preferred over captive-bred birds. Wild-caught birds still make up the majority of available specimens in these markets.

Recommendations

Enforcement efforts, including regular market monitoring and registration of dealers' stocks, by the Indonesian government must be increased if the trade is to be efficiently regulated. Without effective enforcement, illegal and unsustainable trade will continue to threaten the conservation of Indonesia's birds.

Systematic monitoring procedures should be applied to Indonesia's bird markets is required in order to detect changes in market trends, monitor trade levels and identify species in urgent need of conservation interventions.

Research should be carried out on wild populations of birds in trade, especially those known to be or suspected to be in decline, as well as species that are very heavily traded, to determine the impact of trade and to assist the authorities in Indonesia in setting realistic capture and trade quotas.

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Appendix I

Bird species and numbers recorded in monthly surveys of the wildlife markets of Medan. January 1997–December 2001. A number of species originate from outside the Oriental region and the sequence of families follows that used in the Howard & Moore *Complete checklist of the birds of the world*. Third Edition, 2003.

Species	1997	1998	1999	2000	2001	Total
Southern Cassowary Casuarius casuarius	0	4	0	0	0	4
Blue-breasted Quail Corturnix chinensis	28	2	2	1	0	33
Grey-breasted Partridge Arborophila orientalis	7	2	23	10	2	44
Ferruginous Partridge Caloperdix oculea	0	0	3	1	0	4
Crested Partridge/Roulroul Rollulus rouloul	2	0	2	2	0	6
Red Junglefowl Gallus gallus	6	12	30	34	36	118
Green Junglefowl Gallus varius	0	0	10	3	0	13
Hoogerwerf's Pheasant Lophura hoogerwerfi	0	0	16	3	0	19
Sumatran Peacock Pheasant Polyplectron chalcurum	10	10	33	20	0	73
Green Peafowl Pavo muticus	0	2	11	0	5	18
Wandering Whistling Duck Dendrocygna arcuata	4	0	7	0	2	13
Lesser Whistling Duck Dendrocygna javanica	20	5	55	26	73	179
Family Ardeidae (>5 Oriental species)	14	1	4	2	0	21
Black Baza Aviceda leuphotes	2	5	0	3	0	10
Black-winged Kite Elanus caeruleus	19	2	40	6	2	69
Brahminy Kite Haliastur indus	0	15	3	11	6	35
Changeable Hawk-eagle Spizaetus cirrhatus	5	8	0	3	7	23
Other Accipitridae (>11 Oriental species)	12	14	4	6	6	42
White-breasted Waterhen Amaurornis phoenicurus	76	28	36	68	53	261
Purple Swamphen Porphyrio porphyrio	2	26	14	16	11	69
Common Moorhen Gallinula chloropus	28	0	2	0	4	34
Other Rallidae (4 Oriental species)	2	5	0	0	0	7
Barred Buttonquail Turnix suscitator	30	33	20	10	3	96
Island Collared Dove Streptopelia bitorquata	150	223	196	252	290	1,111
Spotted Dove Streptopelia chinensis	400	307	642	615	340	2,304
Barred Cuckoo-dove Macropygia unchall	0	7	1	15	2	25
Little Cuckoo-dove Macropygia ruficeps	0	0	0	0	47	47
Emerald Dove Chalcophaps indica	31	11	5	13	4	64
Zebra Dove Geopelia striata	2,200	1,899	3,456	2,075	1,360	10,990
Barred Dove Geopelia maugei	0	0	16	25	0	41
Other Geopelia (2 Australian species)	26	31	47	45	9	158
Nicobar Pigeon Caloenas nicobarica	17	18	2	2	1	40
Pink-necked Green Pigeon Treron vernans	138	125	148	227	203	841
Blue-crowned Hanging Parrot Loriculus galgulus	199	176	198	154	423	1,150
Tanimbar Cockatoo Cacatua goffiniana	36	145	86	36	35	338
Yellow-crested Cockatoo Cacatua sulphurea	103	83	125	40	49	400
Sulphur-crested Cockatoo Cacatua galerita	0	3	29	35	28	95
White Cockatoo Cacatua alba	14	10	54	4	22	104
Salmon-crested Cockatoo Cacatua moluccensis	0	2	28	36	5	71
Black Lory Chalcopsitta atra	102	67	79	12	22	282
Brown Lory Chalcopsitta duivenbodei	0	0	6	46	4	56
Yellow-streaked Lory Chalcopsitta scintillata	0	2	17	30	27	76
Violet-necked Lory Eos squamata	0	22	56	150	117	345
Red Lory Eos bornea/Eos rubra	362	160	74	47	69	712
Blue-streaked Lory Eos reticulata	0	22	56	0	19	97
Dusky Lory Pseudeos fuscata	280	183	96	102	73	734
Rainbow Lorikeet Trichoglossus haematodus	593	397	466	479	600	2,535
Iris Lorikeet Psitteuteles iris	0	0	16	0	10	26
Goldie's Lorikeet Psitteuteles goldiei	0	74	34	9	5	122
Chattering Lory Lorius garrulus	406	156	406	153	158	1,279



Plate 14. A female Eclectus Parrot *Eclectus roratus* for sale in the market. This species, and many other parrots and cockatoos, are smuggled from eastern Indonesia to Medan for sale. Many are sold illegally to international buyers from this market.



Plate 15. A Buffy Fish-owl *Ketupa ketupu* and a Barred Eagle Owl *Bubo sumatranus* await sale in a roadside cage.

Species	1997	1998	1999	2000	2001	Total
Black-capped Lory Lorius lory	37	55	117	78	91	378
Papuan Lory Charmosyna papou	0	23	10	0	0	33
Red-flanked Lory Charmosyna placentis	0	0	0	0	52	52
Eastern Rosella Platycercus eximius	6	0	5	4	3	18
Red-rumped Parrot Psephotus haematonotus	0	0	0	12	4	16
Bourke's Parrot Neopsephotus bourkii	0	0	0	1	16	17
Blue-rumped Parrot Psittinus cyanurus	4	7	0	20	1	32
Eclectus Parrot Eclectus roratus	33	17	97	30	10	187
Moluccan King Parrot Alisterus amboinensis	6	0	1	0	0	7
Jonquil Parrot Aprosmictus jonquillaceus	11	3	13	7	36	70
Red-breasted Parakeet Psittacula alexandri	44	11	23	23	19	120
Long-tailed Parakeet Psittacula longicauda	86	8	2	46	0	142
African Grey Parrot Psittacus erithacus	4	0	5	14	20	43
Blue-and-yellow Macaw Ara ararauna	0	0	4	6	11	21
Red-and-green Macaw Ara chloropterus	0	0	3	15	3	21
Large Fig Parrot Psittaculirostris desmarestii	0	0	6	8	3	17
Family Cuculidae (5 Oriental species)	1	3	4	1	4	13
Greater Coucal Centropus sinensis	15	26	22	7	4	74
Lesser Coucal Centropus bengalensis	0	0	14	0	4	18
Barn Owl <i>Tyto alba</i>	9	17	9	4	3	42
Oriental Bay Owl Phodilus badius	4	5	2	1	0	12
Barred Eagle Owl Bubo sumatranus	5	7	0	0	0	12
Buffy Fish Owl Ketupa ketupu	9	4	7	0	0	20
Other Strigidae (>5 unidentified species)	9	15	1	3	0	28
Family Alcedinidae (3 Oriental species)	4	8	6	0	1	19
Family Bucerotidae (4 Oriental species)	0	6	4	0	1	11
Fire-tufted Barbet Psilopogon pyrolophus	1,200	1,163	368	340	1,409	4,480
Gold-whiskered Barbet Megalaima chrysopogon	1	0	16	4	8	29
Red-crowned Barbet Megalaima rafflesii	0	0	0	10	14	24
Red-throated Barbet Megalaima mystacophanos	0	0	11	16	4	31
Black-browed Barbet Megalaima oorti	10	40	33	63	186	332
Other Megalaiminae (3 Oriental species)	2	0	6	6	1	15

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Common lora Aegithina tiphia 3 32 22 20 7 84 Long-tailed Shrike Lanius schach 1 117 73 138 125 454 Black-naped Oriole Oriolus Chinensis 359 194 250 302 199 1,304 Family Oriolidae (2 Oriental species) 2 1 2 0 5 10 Gerater Racket-tailed Torongo Dicruus paradiseus 4 9 2 4 0 66 Other Dicruridae (mainly unidentified) 38 39 5 18 6 100 Common Green Magpie Cisas chinensis 120 127 135 264 121 767 Sumatra Treepie Dendocitta occipitalis 2 46 49 39 0 16 Racquet-tailed Treepie Crypsirina ternia 0 0 7 0 9 5 Stender-billed Crow Conx enca 62 49 11 4 0 126 King Bird-b-Paradise Paradise arininor 0 1 0 </td <td>Helmeted Friarbird Philemon buceroides</td> <td>7</td> <td>0</td> <td>4</td> <td>0</td> <td>5</td> <td>16</td>	Helmeted Friarbird Philemon buceroides	7	0	4	0	5	16
Long-tailed Shrike 1 117 73 138 125 454 Black-naped Oriolac Chinensis 359 194 250 302 199 1,304 Family Oriolae (2 Orients pecies) 2 1 2 0 5 10 Cerater Racket-tailed Drongo Dicruurs parafiseus 4 9 2 4 0 66 Other Dicruridae (mainly unidentified) 38 39 5 18 6 106 Crested Jay Phatylophus galericulaus 5 0 4 5 11 25 Sumatran Treepie Dendroticurus regius 0 0 7 2 0 9 Slender-Dilled Crox Corv Senca 62 49 11 4 0 126 King Bird-O-Paradise Crimurus regius 0 0 7 0 7 13 6 19 Bar-winged Prina Prina familaris 0 0 1 0 0 1 6 472 Yelow-bellied Prina Prina familaris 0	Black-faced Friarbird Philemon moluccensis	0	0	0	7	1	8
Black-naped Oriole Oriolus chinensis 359 194 250 302 199 1,304 Family Oriolida (2 Oriental species) 2 1 2 0 5 10 Lesser Racket-tailed Drongo Dicrurus paradíseus 4 9 2 4 0 66 Other Dicrurus (entimely indentified) 38 39 5 18 6 106 Other Dicrurus a chinensis 127 135 264 121 767 Sumatra Treepie Dendrocitta occipitalis 2 46 49 9 0 136 Racquet-tailed Treepie Crypsirina ternia 0 0 7 2 0 9 Bender-Dille Crow Corvus enca 62 49 11 4 0 126 Signed-Di-Paradise Paradisea minor 0 1 0 0 1 146 23 20 231 Hill Prinia Prinia familiaris 0 90 54 48 23 215 141 49 6 145 5133 <td>Common lora Aegithina tiphia</td> <td>3</td> <td>32</td> <td>22</td> <td>20</td> <td>7</td> <td>84</td>	Common lora Aegithina tiphia	3	32	22	20	7	84
Family Oriolidae (2 Oriental species) 2 1 2 0 5 10 Lesser Racket-tailed Drongo Dicrurus paradiseus 4 9 2 4 0 66 Orteret Racket-tailed Drongo Dicrurus paradiseus 38 39 5 18 6 106 Pied Fantall Rhipidura javanica 6 0 3 1 0 10 Common Green Magpie Cissa chinensis 120 127 135 264 121 767 Sumatran Treepie Dendroit accipitalis 2 46 49 39 0 136 Racquet-tailed Treepie Crypsirina temia 0 0 7 0 0 7 Lesser Bird-of-Paradise Cicinnours regius 0 0 7 0 0 7 Great Tit Parus major 4 302 111 49 6 472 Family Alaudidae (several unidentified species) 121 46 2 32 20 231 Hill Prinia Prinia tarinia tariwentris 0 0 34 44 5 133 Rudivastile Cievertis 0	Long-tailed Shrike Lanius schach	1	117	73	138	125	454
Lesser Backet-tailed Drongo Dicrurus paradiseus 1 1 0 7 57 19 Greater Racket-tailed Drongo Dicrurus paradiseus 4 9 2 4 0 660 Other Dicruridae (mainly unidentified) 38 39 5 18 6 100 Crested Jay Platylophus galericulatus 5 0 4 5 11 25 Sumatran Treepie Dendrocitta occipitalis 2 46 49 30 0 136 Racquet-tailed Treepie Copritina temia 0 0 7 2 0 9 Slender-billed Crow Corvus enca 62 49 11 4 0 126 King Bird-of-Paradise Paradisea minor 0 1 0 0 1 0 0 1 Greater Rives eximinating familiaris 0 90 54 48 23 215 Family Alaudidae (several unidentified species) 121 46 27 7 763 Bar-winged Prinia Prinia familiaris 0	Black-naped Oriole Oriolus chinensis	359	194	250	302	199	1,304
Greater Racket-tailed Drongo Dicrurus paradiseus 4 9 2 4 0 66 Other Dicruridae (mainly unidentified) 38 39 5 18 6 100 Crested Jay Platylophus galericultaus 5 0 4 5 11 25 Common Green Magpie Cisa chinensis 120 127 135 264 121 767 Sumatran Treepie Dendroctita occipitalis 2 46 49 39 0 136 Racquet-tailed Treepie Crypsirino temia 0 0 7 0 0 7 Ising Bird-of-Paradise Critonurus regius 0 0 7 0 0 7 Cereat Tir Araus major 4 302 111 49 6 472 Family Alaudidae (several unidentified species) 121 46 2 32 20 231 Hill Prinia Prinia familiaris 0 0 3 4 37 763 Staw-headed Bulbul Pycnonotus sericeus 0 0 34 37 375 352 1373 352 1373	Family Oriolidae (2 Oriental species)	2	1	2	0	5	10
Other Dicruidae (mainly unidentified) 38 39 5 18 6 106 Pied Fantail Rhipidura javanica 6 0 3 1 0 10 Crested Jay Phalyophus galericulatus 5 0 4 5 11 25 Common Green Magpie Cissa chinensis 120 127 135 264 121 767 Sumatran Treepie Dendrocitta occipitalis 2 46 49 39 0 136 Racquet-tailed Treepie Crysinia ternia 0 0 7 2 0 9 Slender-billed Crow Corvus enca 62 49 11 4 0 126 King Bird-of-Paradise Paradisae minor 0 1 0 0 1 1 126 42 232 202 231 Family Alaudidae (several unidentified species) 121 46 23 215 134 44 25 133 Yellow-bellied Prinia Prinia familiaris 0 0 34 43 37 <	Lesser Racket-tailed Drongo Dicrurus remifer	1	1	0	7	57	19
Pied Fantail Rhipidura javanica 6 0 3 1 0 10 Crested Jay Platylophus galericulatus 5 0 4 5 11 75 Sumatran Treepie Dendrocitta occipitalis 2 46 49 39 0 136 Racquet-tailed Treepie Cryssinina temia 0 0 7 2 0 9 Slender-billed Crow Corvus enca 62 49 11 4 0 126 King Bird-of-Paradise Cicinnurus regius 0 0 7 0 0 7 Lesser Bird-of-Paradise Cicinnurus regius 0 0 0 11 49 6 422 Family Alaudidae (several unidentified species) 121 46 2 32 20 231 Hill Prinia Arinia atroguiaris 0 0 0 33 4 32 215 Yellow-bellied Prinia Inivition Thotomous sericeus 0 0 33 4 35 133 Ashy Tailorbird Orthotomus suriceps 97 272 156 99 139 763 Straw-headed	Greater Racket-tailed Drongo Dicrurus paradiseus	4	9	2	4	0	66
Crested Jay Platylophus galericulatus 5 0 4 5 11 25 Common Green Magpie Cissa chinensis 120 127 135 264 121 767 Sumatran Treepie Dendrotica accipitalis 2 46 49 9 0 136 Racquet-tailed Treepie Crypsirina temia 0 0 7 2 0 9 Slender-billed Crow Corus enca 62 49 11 4 0 126 King Bird-of-Paradise Crinurus regius 0 0 7 0 0 7 Lesser Bird-of-Paradise Crinurus regius 0 0 11 49 6 422 Family Alaudidae (several unidentified species) 121 46 2 32 20 231 Hill Prinia Arinia darogularis 0 0 0 34 44 55 133 Rufous-tailed Tailorbird Orthotomus sericeus 0 0 33 34 32 253 133 Rufous-tailed Bulbul Pyconontus atriceps	Other Dicruridae (mainly unidentified)	38	39	5	18	6	106
Common Green Magpie Cissa chinensis 120 127 135 264 121 767 Sumatran Treepie Dendrocitta occipitalis 2 46 49 39 0 136 Racquet-tailed Treepie Crypsirina temia 0 0 7 2 0 9 Slender-billed Crow Corvus enca 62 49 11 4 0 126 King Bird-of-Paradisea Crinnurus regius 0 0 7 0 0 7 Lesser Bird-of-Paradisea Crinnurus regius 0 0 1 0 0 1 Great Tit Parus major 4 302 111 49 6 472 Family Alaudidae (several unidentified species) 121 46 2 32 215 Yellow-bellied Prinia Arinia familiaris 0 90 54 48 23 215 Yellow-bellied Prinia Prinia familiaris 0 0 33 4 37 Ashy Tailorbird Orthotomus sericeus 0 0 333 371 305<	Pied Fantail Rhipidura javanica	6	0	3	1	0	10
Sumatran Treepie Dendrocitta occipitalis 2 46 49 39 0 136 Racquet-tailed Treepie Crypsinna temia 0 0 7 2 0 9 Slender-billed Crow Corvus enca 62 49 11 4 0 7 Lesser Bird-of-Paradise Paradisee aminor 0 1 0 0 7 Creat Tit Parus major 4 302 111 49 6 472 Family Alaudidae (several unidentified species) 121 46 2 32 20 231 Hill Prinia Prinia familiaris 0 90 54 48 23 215 Yellow-bellied Prinia Prinia familiaris 0 0 33 4 37 Straw-headed Bulbul Pycnonotus sericeus 0 0 33 34 415 299 154 267 1,469 Black-headed Bulbul Pycnonotus suficeps 10 79 78 138 99 404 Grey-bellied Bulbul Pycnonotus gamantus 13 12	Crested Jay Platylophus galericulatus	5	0	4	5	11	25
Racquet-tailed Treepie Crypsinna temia 0 0 7 2 0 9 Slender-billed Crow Corvus enca 62 49 11 4 0 126 King Bird-of-Paradise Paradisaea minor 0 1 0 0 7 Lesser Bird-of-Paradise Paradisaea minor 1 0 0 1 4 302 111 49 6 4722 Family Alaudidae (several unidentified species) 121 46 2 32 20 231 Bar-winged Prinia Tamiliaris 0 0 0 34 44 55 133 Vellow-bellied Prinia Prinia flaviventris 0 0 30 3 4 37 Straw-headed Bulbu Pycnonotus sericeus 0 0 30 34 43 25 133 Black-headed Bulbul Pycnonotus sequancus 334 415 299 154 616 80 Black-headed Bulbul Pycnonotus squamatus 13 128 3 24 6 194 Scarly-breasted Bulbul Pycnonotus squamatus 13 128 36 6 <t< td=""><td>Common Green Magpie Cissa chinensis</td><td>120</td><td>127</td><td>135</td><td>264</td><td>121</td><td>767</td></t<>	Common Green Magpie Cissa chinensis	120	127	135	264	121	767
Slender-billed Crow Corvis enca 62 49 11 4 0 126 King Bird-of-Paradise Cicinnurus regius 0 0 7 0 0 7 Lesser Bird-of-Paradise Paradisee aminor 0 1 0 0 0 1 Great Tit Parus major 4 302 111 49 6 472 Family Alaudidae (several unidentified species) 121 46 2 32 20 231 Hill Prinia Prinia taroita taroiventris 0 0 34 44 55 133 Rufous-tailed Tailorbird Orthotomus sericeus 0 0 34 44 55 133 Rufous-tailed Tailorbird Orthotomus sericeus 0 0 33 4 37 Ashty Tailorbird Orthotomus uniceps 97 272 156 99 139 763 Straw-headed Bulbul Pycnonotus atriceps 10 79 78 138 99 404 Black-crested Bulbul Pycnonotus squamatus 13 13 13.73 Scaly-breasted Bulbul Pycnonotus squamatus 10 33 38 10	Sumatran Treepie Dendrocitta occipitalis	2	46	49	39	0	136
King Bird-of-Paradise Cicinnurus regius 0 0 7 0 0 1 Lesser Bird-of-Paradise Paradisea minor 0 1 0 0 1 Great Tit Parus major 4 302 111 49 6 472 Family Alaudidae (several unidentified species) 121 46 2 32 20 231 Hill Prinia Prinia drogularis 0 0 0 13 6 19 Bar-winged Prinia Prinia faviventris 0 90 54 48 23 215 Vellow-bellied Prinia Prinia faviventris 0 0 34 44 55 133 Rufous-tailed Tailorbird Orthotomus sericeus 0 0 30 3 4 37 Ashy Tailorbird Orthotomus regionicus 334 415 299 154 267 1,469 Black-headed Bulbul Pycnonotus acyanientris 20 38 0 6 16 80 Scaly-breasted Bulbul Pycnonotus gaumatus 13 128 3	Racquet-tailed Treepie Crypsirina temia	0	0	7	2	0	9
Lesser Bird-of-Paradise Paradisae minor 0 1 0 0 1 Great Tit Parus major 4 302 111 49 6 422 Family Alaudidae (several unidentified species) 121 46 2 322 20 231 Bar-winged Prinia Prinia familiaris 0 90 54 48 23 215 Yellow-bellied Prinia Prinia familiaris 0 90 54 48 23 215 Yellow-bellied Prinia Prinia familiaris 0 0 30 3 4 37 Ashy Tailorbird Orthotomus sericeus 0 0 30 3 4 37 Straw-headed Bulbul Pycnonotus zeylanicus 334 415 299 154 267 1,469 Black-rested Bulbul Pycnonotus admaicterus 10 79 78 138 99 404 Grey-bellied Bulbul Pycnonotus squamatus 13 128 3 24 26 194 Grey-bellied Bulbul Pycnonotus admiacterus 100 737 371 305 523 1,373 Sooty-headed Bulbul Pycnonotus	Slender-billed Crow Corvus enca	62	49	11	4	0	126
Great Tit Parus major 4 302 111 49 6 472 Family Alaudidae (several unidentified species) 121 46 2 32 20 231 Hill Prinia Arinia atrogularis 0 0 0 13 6 19 Bar-winged Prinia Prinia familiaris 0 90 54 48 23 215 Yellow-bellied Prinia Prinia familiaris 0 0 34 44 55 133 Rufous-tailed Tailorbird Orthotomus sericeus 0 0 34 44 55 133 Straw-headed Bulbul Pycnonotus seplanicus 334 415 299 154 267 1,469 Black-crested Bulbul Pycnonotus seplanicus 13 128 32 24 26 194 Black-rested Bulbul Pycnonotus squamatus 13 128 32 24 26 194 Soaty-headed Bulbul Pycnonotus gaiviert 500 476 1,058 588 905 3,527 Orange-spotted Bulbul Pycnonotus gaivier 90 101 186 240 455 1,072 <td< td=""><td>King Bird-of-Paradise Cicinnurus regius</td><td>0</td><td>0</td><td>7</td><td>0</td><td>0</td><td>7</td></td<>	King Bird-of-Paradise Cicinnurus regius	0	0	7	0	0	7
Family Alaudidae (several unidentified species) 121 46 2 32 20 231 Hill Prinia Prinia trogularis 0 0 0 13 6 19 Bar-winged Prinia Prinia flavientris 0 0 34 44 55 133 Rufous-tailed Tailorbird Orthotomus sericeus 0 0 30 3 4 37 Ashy Tailorbird Orthotomus regene 97 272 156 99 139 763 Straw-headed Bulbul Pycnonotus atriceps 90 79 78 138 99 404 Black-rested Bulbul Pycnonotus squamatus 13 128 3 24 26 194 Grey-bellied Bulbul Pycnonotus gaves 150 154 610 431 31 1,376 Sooty-headed Bulbul Pycnonotus gioavier 500 476 1,058 588 905 3,527 Orace-use Bulbul Pycnonotus gioavier 90 101 186 240 455 1,072 Red-whiskered Bulbul Pycnonotus gioavier 90 101 186 240 455 1,072	Lesser Bird-of-Paradise Paradisaea minor	0	1	0	0	0	1
Hill Prinia Prinia driogularis00013619Bar-winged Prinia Prinia familiaris090544823215Yellow-bellied Prinia Prinia flaviventris00344455133Rufous-tailed Tailorbird Orthotomus sericeus00303437Ashy Tailorbird Orthotomus ruficeps9727215699139763Straw-headed Bulbul Pycnonotus zeylanicus3344152991542671,469Black-neaded Bulbul Pycnonotus squamatus1073373713052531,373Scaly-breasted Bulbul Pycnonotus squamatus1312832426194Grey-bellied Bulbul Pycnonotus gaumatus150154610431311,376Sooty-headed Bulbul Pycnonotus jocosus150154610431311,372Sooty-headed Bulbul Pycnonotus bimaculatus2403033851702241,322Yellow-vented Bulbul Pycnonotus bimaculatus2403033851702241,322Yellow-vented Bulbul Pycnonotus bimaculatus240033151702241,322Yellow-vented Bulbul Alophoixus ochraceus86073322175Grey-cheeked Bulbul Alophoixus ochraceus86073322175Sunda Bulbul/Olive Bulbul Iole virescens00161531Ashy Bulb	Great Tit Parus major	4	302	111	49	6	472
Bar-winged Prinia Prinia familiaris 0 90 54 48 23 215 Yellow-bellied Prinia Prinia flaviventris 0 0 34 44 55 133 Rufous-tailed Tailorbird Orthotomus sericeus 0 0 30 3 4 37 Ashy Tailorbird Orthotomus seliceus 97 272 156 99 139 763 Straw-headed Bulbul Pycnonotus seylanicus 334 415 299 154 267 1,469 Black-crested Bulbul Pycnonotus seylamicus 107 737 305 253 1,373 Scaly-breasted Bulbul Pycnonotus gaumatus 13 128 3 24 26 194 Grey-bellied Bulbul Pycnonotus gauster 20 38 0 6 16 80 Red-whiskered Bulbul Pycnonotus binaculatus 240 303 385 170 224 1,322 Yellow-vented Bulbul Pycnonotus binaculatus 240 303 385 170 224 1,322 Yellow-vented Bulbul Alophoixus ochraceus	Family Alaudidae (several unidentified species)	121	46	2	32	20	231
Yellow-bellied Prinia Prinia flaviventris 0 0 34 44 55 133 Rufous-tailed Tailorbird Orthotomus sericeus 0 0 30 3 4 37 Ashy Tailorbird Orthotomus ruficeps 97 272 156 99 139 763 Straw-headed Bulbul Pycnonotus atriceps 10 79 78 138 99 404 Black-headed Bulbul Pycnonotus atriceps 107 337 371 305 253 1,373 Scaly-breasted Bulbul Pycnonotus squamatus 13 128 3 24 26 194 Grey-bellied Bulbul Pycnonotus gaumatus 13 128 3 24 26 194 Grey-bellied Bulbul Pycnonotus gaumatus 13 128 3 24 26 194 Grey-bellied Bulbul Pycnonotus gaugaster 500 476 1,058 588 905 3,527 Orange-spotted Bulbul Pycnonotus bimaculatus 240 303 385 170 224 1,322 Yellow-vented Bulbul Pycnonotus ochraceus 0 0 0 39 11 50	Hill Prinia Prinia atrogularis	0	0	0	13	6	19
Rufous-tailed Tailorbird Orthotomus sericeus 0 0 30 3 4 37 Ashy Tailorbird Orthotomus ruficeps 97 272 156 99 139 763 Straw-headed Bulbul Pycnonotus zeylanicus 334 415 299 154 267 1,469 Black-rested Bulbul Pycnonotus atriceps 10 79 78 138 99 404 Grey-bellied Bulbul Pycnonotus squamatus 13 128 3 24 26 194 Grey-bellied Bulbul Pycnonotus cyaniventris 20 38 0 6 16 80 Red-whiskered Bulbul Pycnonotus aurigaster 500 476 1,058 588 905 3,527 Orthaceous Bulbul Pycnonotus goiavier 90 101 186 240 455 1,072 Red-eyed Bulbul Pycnonotus brunneus 0 0 0 33 11 50 Ochraceous Bulbul Alophoixus ochraceus 8 60 73 32 2 175 Grey-cheeked Bulbul Alophoixus ochrac	Bar-winged Prinia Prinia familiaris	0	90	54	48	23	215
Ashy Tailorbird Orthotomus ruficeps 97 272 156 99 139 763 Straw-headed Bulbul Pycnonotus zeylanicus 334 415 299 154 267 1,469 Black-headed Bulbul Pycnonotus atriceps 10 79 78 138 99 404 Black-crested Bulbul Pycnonotus squamatus 107 337 371 305 253 1,373 Scaly-breasted Bulbul Pycnonotus squamatus 13 128 3 24 26 194 Grey-bellied Bulbul Pycnonotus cyaniventris 20 38 0 6 16 80 Red-whiskered Bulbul Pycnonotus aurigaster 500 154 610 431 31 1,376 Sooty-headed Bulbul Pycnonotus bimaculatus 240 303 385 170 224 1,322 Yellow-vented Bulbul Pycnonotus brunneus 0 0 0 39 11 50 Ochraceous Bulbul Alophoixus ochraceus 8 60 73 32 2 175 Grey-cheeked Bulbul Nolvie Bulbus Iole virescens 0 0 0 16 15 <td< td=""><td>Yellow-bellied Prinia Prinia flaviventris</td><td>0</td><td>0</td><td>34</td><td>44</td><td>55</td><td>133</td></td<>	Yellow-bellied Prinia Prinia flaviventris	0	0	34	44	55	133
Straw-headed Bulbul Pycnonotus zeylanicus 334 415 299 154 267 1,469 Black-headed Bulbul Pycnonotus atriceps 10 79 78 138 99 404 Black-crested Bulbul Pycnonotus melanicterus 107 337 371 305 253 1,373 Scaly-breasted Bulbul Pycnonotus squamatus 13 128 3 24 26 194 Grey-bellied Bulbul Pycnonotus conventiris 20 38 0 6 16 80 Red-whiskered Bulbul Pycnonotus aurigaster 500 476 1,058 588 905 3,527 Orange-spotted Bulbul Pycnonotus goiavier 90 101 186 240 455 1,072 Red-eyed Bulbul Pycnonotus brunneus 0 0 0 39 11 50 Ochraceous Bulbul Algohoixus bres 0 0 0 10 17 43 70 Sunda Bulbul/Olive Bulbul I lole virescens 0 0 0 11 50 11 50 Sunda Bulbul/Olive Bulbul I lole virescens 0 0 0 31	Rufous-tailed Tailorbird Orthotomus sericeus	0	0	30	3	4	37
Black-headed Bulbul Pycnonotus atriceps 10 79 78 138 99 404 Black-crested Bulbul Pycnonotus melanicterus 107 337 371 305 253 1,373 Scaly-breasted Bulbul Pycnonotus squamatus 13 128 3 24 26 194 Grey-bellied Bulbul Pycnonotus cyaniventris 20 38 0 6 16 80 Red-whiskered Bulbul Pycnonotus jocosus 150 154 610 431 31 1,376 Sooty-headed Bulbul Pycnonotus goiavier 500 476 1,058 588 905 3,527 Orange-spotted Bulbul Pycnonotus goiavier 90 101 186 240 455 1,072 Red-eyed Bulbul Pycnonotus brunneus 0 0 0 39 11 50 Ochraceous Bulbul Alophoixus ochraceus 8 60 73 32 2 175 Grey-cheeked Bulbul Alophoixus bres 0 0 0 16 15 31 Ashy Bulbul Hemixos flavala 0 0 18 4 22 Black Bulbul Hy	Ashy Tailorbird Orthotomus ruficeps	97	272	156	99	139	763
Black-crested Bulbul Pycnonotus melanicterus 107 337 371 305 253 1,373 Scaly-breasted Bulbul Pycnonotus squamatus 13 128 3 24 26 194 Grey-bellied Bulbul Pycnonotus cyaniventris 20 38 0 6 16 80 Red-whiskered Bulbul Pycnonotus aurigaster 500 476 1,058 588 905 3,527 Orange-spotted Bulbul Pycnonotus bimaculatus 240 303 385 170 224 1,322 Yellow-vented Bulbul Pycnonotus goiavier 90 101 186 240 455 1,072 Red-eyed Bulbul Pycnonotus branceus 0 0 0 33 385 170 224 1,322 Yellow-vented Bulbul Pycnonotus branceus 0 0 0 33 322 2 175 Grey-cheeked Bulbul Alophoixus ochraceus 8 60 73 322 2 175 Grey-cheeked Bulbul Alophoixus bres 0 0 10 17 43 70 Sunda Bulbul/Olive Bulbul Iole virescens 0 0 0 <td>Straw-headed Bulbul Pycnonotus zeylanicus</td> <td>334</td> <td>415</td> <td>299</td> <td>154</td> <td>267</td> <td>1,469</td>	Straw-headed Bulbul Pycnonotus zeylanicus	334	415	299	154	267	1,469
Scaly-breasted Bulbul Pycnonotus squamatus 13 128 3 24 26 194 Grey-bellied Bulbul Pycnonotus cyaniventris 20 38 0 6 16 80 Red-whiskered Bulbul Pycnonotus cyaniventris 20 38 0 6 16 80 Sooty-headed Bulbul Pycnonotus aurigaster 500 476 1,058 588 905 3,527 Orange-spotted Bulbul Pycnonotus bimaculatus 240 303 385 170 224 1,322 Yellow-vented Bulbul Pycnonotus braneus 0 0 0 39 11 50 Ochraceous Bulbul Alophoixus ochraceus 8 60 73 32 2 175 Grey-cheeked Bulbul Alophoixus ochraceus 8 60 73 32 2 175 Sunda Bulbul/Olive Bulbul ble virescens 0 0 0 16 15 31 Ashy Bulbul Hemixos flavala 0 0 0 18 4 22 Black Bulbul Hypsipetes leucocephalus 24 0 0	Black-headed Bulbul Pycnonotus atriceps	10	79	78	138	99	404
Grey-bellied Bulbul Pycnonotus cyaniventris 20 38 0 6 16 80 Red-whiskered Bulbul Pycnonotus jocosus 150 154 610 431 31 1,376 Sooty-headed Bulbul Pycnonotus aurigaster 500 476 1,058 588 905 3,527 Orange-spotted Bulbul Pycnonotus binaculatus 240 303 385 170 224 1,322 Yellow-vented Bulbul Pycnonotus branneus 0 0 0 39 11 50 Ochraceous Bulbul Alophoixus ochraceus 8 60 73 32 2 175 Grey-cheeked Bulbul Alophoixus ochraceus 0 0 0 10 17 43 70 Sunda Bulbul/Olive Bulbul Iole virescens 0 0 0 16 15 31 Ashy Bulbul Hemixos flavala 0 0 0 18 4 22 Black Bulbul Hypsipetes leucocephalus 24 0 0 310 37 50 Sunda Laughingthrush Garrulax laughingthrush Garrulax leucolophus 850 815 645 532 550	Black-crested Bulbul Pycnonotus melanicterus	107	337	371	305	253	1,373
Red-whiskered Bulbul Pycnonotus jocosus 150 154 610 431 31 1,376 Sooty-headed Bulbul Pycnonotus aurigaster 500 476 1,058 588 905 3,527 Orange-spotted Bulbul Pycnonotus bimaculatus 240 303 385 170 224 1,322 Yellow-vented Bulbul Pycnonotus bimaculatus 240 303 385 170 224 1,322 Yellow-vented Bulbul Pycnonotus brunneus 0 0 0 39 11 50 Ochraceous Bulbul Alophoixus ochraceus 8 60 73 32 2 175 Grey-cheeked Bulbul Alophoixus bres 0 0 10 17 43 70 Sunda Bulbul/Olive Bulbul lole virescens 0 0 0 16 15 31 Ashy Bulbul Hemixos flavala 0 0 0 18 4 22 Black Bulbul Hypsipetes leucocephalus 24 0 0 43 8 75 Other Pycnonotidae (4 Oriental species) 0 0 3 10 37 50 Sunda	Scaly-breasted Bulbul Pycnonotus squamatus	13	128	3	24	26	194
Sooty-headed Bulbul Pycnonotus aurigaster 500 476 1,058 588 905 3,527 Orange-spotted Bulbul Pycnonotus bimaculatus 240 303 385 170 224 1,322 Yellow-vented Bulbul Pycnonotus goiavier 90 101 186 240 455 1,072 Red-eyed Bulbul Pycnonotus brunneus 0 0 0 39 11 50 Ochraceous Bulbul Alophoixus ochraceus 8 60 73 32 2 175 Grey-cheeked Bulbul Alophoixus ochraceus 8 60 73 32 2 175 Grey-cheeked Bulbul Alophoixus ochraceus 8 60 73 32 2 175 Grey-cheeked Bulbul Alophoixus ochraceus 0 0 0 16 15 31 Ashy Bulbul Hemixos flavala 0 0 0 18 4 22 Black Bulbul Hypsipetes leucocephalus 24 0 0 43 8 75 Sunda Laughingthrush Garrulax palliatus 400 </td <td>Grey-bellied Bulbul Pycnonotus cyaniventris</td> <td></td> <td></td> <td></td> <td></td> <td>16</td> <td></td>	Grey-bellied Bulbul Pycnonotus cyaniventris					16	
Orange-spotted Bulbul Pycnonotus binaculatus 240 303 385 170 224 1,322 Yellow-vented Bulbul Pycnonotus goiavier 90 101 186 240 455 1,072 Red-eyed Bulbul Pycnonotus brunneus 0 0 0 39 11 50 Ochraceous Bulbul Alophoixus ochraceus 8 60 73 32 2 175 Grey-cheeked Bulbul Alophoixus ochraceus 8 60 73 32 2 175 Grey-cheeked Bulbul Alophoixus ochraceus 0 0 10 17 43 70 Sunda Bulbul/Olive Bulbul Iole virescens 0 0 0 16 15 31 Ashy Bulbul Hemixos flavala 0 0 0 18 4 22 Black Bulbul Hypsipetes leucocephalus 24 0 0 43 8 75 Other Pycnonotidae (4 Oriental species) 0 0 31 37 50 Sunda Laughingthrush Garrulax palliatus 400 425 884 364 260 2,333 White-crested Laughingthrush Garrulax							
Yellow-vented BulbulPycnonotus goiavier901011862404551,072Red-eyed BulbulPycnonotus brunneus000391150Ochraceous BulbulAlophoixus ochraceus86073322175Grey-cheeked BulbulAlophoixus ochraceus0010174370Sunda Bulbul/Olive Bulbullole virescens000161531Ashy BulbulHemixos flavala00018422Black BulbulHypsipetes leucocephalus240043875Other Pycnonotidae (4 Oriental species)003103750Sunda LaughingthrushGarrulax palliatus4004258843642602,333White-crested LaughingthrushGarrulax leucolophus8508156455325503,392Black LaughingthrushGarrulax chinensis8009242263502072,507Chestnut-capped LaughingthrushGarrulax mitratus5505243102521471,783HwameiGarrulax (3 species)0429217Silver-eared MesiaLeiothrix argentauris20313821213877768Red-billed Leiothrix Leiothrix lutea8507401,1169787974,481	Sooty-headed Bulbul Pycnonotus aurigaster	500			588		
Red-eyed Bulbul Pycnonotus brunneus 0 0 0 39 11 50 Ochraceous Bulbul Alophoixus ochraceus 8 60 73 32 2 175 Grey-cheeked Bulbul Alophoixus bres 0 0 10 17 43 70 Sunda Bulbul/Olive Bulbul Iole virescens 0 0 0 16 15 31 Ashy Bulbul Hemixos flavala 0 0 0 18 4 22 Black Bulbul Hypsipetes leucocephalus 24 0 0 43 8 75 Other Pycnonotidae (4 Oriental species) 0 0 3 10 37 50 Sunda Laughingthrush Garrulax palliatus 400 425 884 364 260 2,333 White-crested Laughingthrush Garrulax leucolophus 850 815 645 532 550 3,392 Black Laughingthrush Garrulax lugubris 6 58 2 18 13 97 Black Laughingthrush Garrulax nitratus 550 524 310 252 147 1,783 Hwamei Garrulax (3 speci		240			170		
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Long-tailed Sidia Heterophasia picaoides 119 22 32 183 383 739							
	Long-laned Sidia Heterophasia picaolaes	119	22	32	183	383	/39

Species	1997	1998	1999	2000	2001	Total
Other Timaliidae (7 Oriental species)	3	2	15	5	8	33
Oriental White-eye Zosterops palpebrosus	254	213	796	829	232	2,324
Asian Fairy Bluebird Irena puella	3	57	44	27	142	273
Asian Glossy Starling Alponis panayensis	19	422	512	789	337	2,079
Yellow-faced Myna Mino dumonii	100	90	108	140	59	497
Golden Myna <i>Mino anais</i>	13	0	23	31	19	86
Sulawesi Myna Basilornis celebensis	7	1	1	2	0	11
Finch-billed Myna Scissirostrum dubium	23	1	31	0	0	55
Hill Myna Gracula religiosa	697	204	348	555	352	2,156
Crested Myna Acridotheres cristatellus	87	25	7	23	7	149
White-vented/Javan Myna Acridotheres javanicus	5,000	7,618	3,955	1,831	1,115	19,519
Common Myna Acridotheres tristis	23	216	406	353	415	1,413
Black-winged Myna Acridotheres melanopterus	18	22	37	41	28	146
Black-collared Starling Sturnus nigricollis	174	83	152	224	154	787
Asian Pied Starling Sturnus contra	83	57	47	33	39	259
Purple-backed Starling Sturnus sturninus	1,500	1,859	1,757	143	1,579	6,838
Chestnut-capped Thrush Zoothera interpres	1	8	20	15	12	56
Chestnut-backed Thrush Zoothera dohertyi	0	0	13	14	9	36
Orange-headed Thrush Zoothera citrina	19	46	50	111	149	375
Siberian Thrush Zoothera sibirica	11	5	1	6	41	64
Common Blackbird Turdus merula	0	38	0	8	14	60
Island Thrush Turdus poliocephalus	0	0	0	9	18	27
Eyebrowed Thrush Turdus obscurus	13	6	1	7	20	47
Magpie Robin Copsychus saularis	2,500	2,565	3,478	2,433	1,519	12,495
White-rumped Shama Copsychus malabaricus	2,500	2,586	1,979	2,055	1,200	10,320
Pied Bushchat Saxicola caprata	0	0	1	5	8	14
Family Muscicapinae (unidentified <i>Cyornis</i> species)	0	0	0	13	6	19
Greater Green Leafbird <i>Chloropsis sonnerati</i>	0	0	5	72	33	110
Blue-winged Leafbird Chloropsis cochinchinensis	200	204	220	345	395	1,364
Blue-masked Leafbird <i>Chloropsis venusta</i>	0	0	0	0	8	8
Other Chloropsis (mainly unidentified)	11 134	65 49	0 89	25 144	9 85	110 501
Orange-bellied Flowerpecker <i>Dicaeum trigonostigma</i> Other Dicaeidae (2 Oriental species)	0	49	3	144	0	501 4
Family Nectariniidae (4 Oriental species)	0 4	0	14	3	1	22
Baya Weaver Ploceus philippinus	4 1,500	1,503	1,851	د 1,770	1,419	8,043
Family Estrildidae (6 African species)	221	46	0	0	0	267
Family Estrildidae (5 Australasian species)	136	136	2	15	1	207
Red Avadavat Amandava amandava	352	212	117	116	343	1,140
Pin-tailed Parrot-Finch Erythrura prasina	249	272	251	272	270	1,313
Scaly-breasted Munia Lonchura punctulata	2,500	2,555	6,925	12,600	6,270	30,850
Black-headed Munia Lonchura malacca	588	437	225	519	298	2,067
White-headed Munia Lonchura maja	2,500	2,415	4,870	11,800	6,450	28,035
Java Sparrow Lonchura oryzivora	390	193	297	449	184	1,513
Forest Wagtail Dendronanthus indicus	0	0	3	8	2	13
Grey Wagtail Motacilla cinerea	5	100	14	8	0	127
Family Viduidae (1 African species)	9	4	0	0	0	13
Family Fringillidae (2 African species)	168	10	15	63	33	289
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