**Supplementary Material**

Conservation value of human–modified forests for birds in mountainous regions of south-west China

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Appendix S1. Number of bird individuals recorded in four habitats by point counts and mist nets in the Ailao Mountains of Yunnan.

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| Species | Guild\* | Point counts† | Mist nets |
| --- | --- | --- | --- |
| SF | FD | PP | PF | SF | FD | PP | PF |
| Oriental Turtle Dove *Streptopelia orientalis*  |  |  | 2 |  |  |  |  |  |  |  |
| Eurasian Cuckoo *Cuculus canorus*  | I |  |  | 6 | 2 |  |  |  |  |  |
| Indian Cuckoo *Cuculus micropterus*  | I |  |  |  | 2 | 1 |  |  |  |  |
| Green-billed Malkoha *Phaenicophaeus tristis* | I | F |  |  |  |  | 1 |  |  |  |
| Common Kingfisher *Alcedo atthis* |  |  | 2 |  |  |  |  |  |  |  |
| Blue-bearded Bee-eater *Nyctyornis athertoni*  | I | F | 4 |  |  |  |  |  |  |  |
| Common Hoopoe *Upupa epops*  | I |  | 1 |  |  |  |  |  |  |  |
| Great Barbet *Megalaima virens*  |  | F |  | 3 |  | 1 |  |  |  |  |
| Blue-throated Barbet *Megalaima asiatica*  |  | F | 3 |  |  |  | 3 |  |  |  |
| Speckled Piculet *Picumnus innominatus*  | I | F |  |  |  |  |  |  |  | 1 |
| Great Spotted Woodpecker *Dendrocopos major*  | I | F | 2 |  |  |  |  |  |  |  |
| Crimson-breasted Woodpecker *Dendrocopos cathpharius*  | I | F |  | 1 |  |  |  |  |  |  |
| Rufous-bellied Woodpecker *Dendrocopos hyperythrus* | I | F |  |  |  | 2 |  |  |  |  |
| Darjeeling Woodpecker *Dendrocopos darjellensis*  | I | F |  |  |  | 2 |  |  |  |  |
| Grey-capped Pygmy Woodpecker *Dendrocopos canicapillus*  | I |  |  |  |  |  | 1 |  |  |  |
| Barn Swallow *Hirundo rustica* | I |  |  | 1 |  |  |  |  |  |  |
| White Wagtail *Motacilla alba* | I |  | 6 |  | 2 | 2 |  |  |  |  |
| Grey Wagtail *Motacilla cinerea* | I |  | 2 |  |  |  |  |  |  |  |
| Olive-backed Pipit *Anthus hodgsoni* |  |  |  | 1 | 4 | 3 | 1 | 3 | 2 |  |
| Rosy Pipit *Anthus roseatus* | I |  |  |  |  |  |  |  | 1 |  |
| Red-throated Pipit *Anthus cervinus* | I |  |  |  | 2 |  |  | 1 |  |  |
| Bar-winged Flycatcher-shrike *Hemipus picatus* | I |  | 4 |  |  |  |  |  |  |  |
| Long-tailed Minivet *Pericrocotus ethologus* | I | F | 11 |  |  | 10 | 4 |  |  |  |
| Scarlet Minivet *Pericrocotus flammeus* | I | F | 66 |  |  |  | 4 |  |  |  |
| Short-billed Minivet *Pericrocotus brevirostris* | I |  |  | 10 |  | 2 | 1 |  |  |  |
| Grey-chinned Minivet *Pericrocotus solaris* | I | F | 5 |  |  |  |  |  |  |  |
| Crested Finchbill *Spizixos canifrons* |  |  |  | 7 | 14 |  |  |  |  |  |
| Sooty-headed Bulbul *Pycnonotus aurigaster* |  |  | 46 | 5 |  |  | 1 |  |  |  |
| Brown-breasted Bulbul *Pycnonotus xanthorrhous* |  |  | 12 | 80 | 6 |  | 6 | 26 | 1 |  |
| Black-crested Bulbul *Pycnonotus melanicterus* |  |  | 10 |  |  |  | 8 |  |  |  |
| Mountain Bulbul *Ixos mcclellandii* |  | F | 1 | 3 | 9 |  |  |  | 1 |  |
| Black Bulbul *Hypsipetes leucocephalus* |  | F | 82 |  |  |  |  |  | 1 |  |
| Long-tailed Shrike *Lanius schach* | I |  | 5 | 1 |  |  |  | 1 |  |  |
| Black-naped Oriole *Oriolus chinensis* | I |  | 2 |  |  |  |  |  |  |  |
| Ashy Drongo *Dicrurus leucophaeus* | I |  | 12 | 5 |  |  | 1 |  | 1 |  |
| Spotted Nutcracker *Nucifraga caryocatactes* |  | F |  |  | 21 | 8 |  |  |  |  |
| Grey Treepie *Dendrocitta formosae* |  | 　 |  | 1 |  |  |  |  |  |  |
| Red-billed Blue Magpie *Urocissa erythrorhyncha* |  | 　 |  | 12 | 18 |  |  |  | 1 |  |
| Brown Dipper *Cinclus pallasii* | I |  | 3 |  |  |  |  |  |  |  |
| Winter Wren *Troglodytes troglodytes* | I |  |  |  |  | 1 |  |  |  |  |
| Maroon-backed Accentor *Prunella immaculata* |  |  |  |  |  |  |  | 7 | 1 | 7 |
| Rufous-breasted Accentor *Prunella strophiata* |  |  |  | 2 | 1 |  |  | 1 |  |  |
| White-bellied Redstart *Hodgsonius phaenicuroides* | I |  |  |  |  |  |  |  |  | 1 |
| White-browed Shortwing *Brachypteryx montana* | I | F |  |  |  | 2 |  |  |  | 2 |
| Oriental Magpie Robin *Copsychus saularis* | I |  | 3 |  |  |  |  |  |  |  |
| Siberian Rubythroat *Luscinia calliope* | I |  | 1 |  |  |  |  | 1 |  |  |
| Siberian Blue Robin *Luscinia cyane* | I |  |  |  |  |  | 1 |  |  |  |
| White-browed Bush Robin *Tarsiger indicus* | I | F |  |  |  |  |  |  |  | 6 |
| Golden Bush Robin *Tarsiger chrysaeus* |  |  |  |  | 2 |  |  | 2 | 2 |  |
| Orange-flanked Bush Robin *Tarsiger cyanurus* | I |  |  | 3 | 13 | 2 |  | 15 | 54 | 16 |
| Daurian Redstart *Phoenicurus auroreus* |  |  |  | 3 | 3 |  | 6 | 1 |  |  |
| Blue-fronted Redstart *Phoenicurus frontalis* |  |  |  | 4 | 17 | 4 |  | 1 | 3 | 2 |
| White-capped Water Redstart *Chaimarrornis leucocephalus* | I |  | 12 | 2 |  | 1 |  |  |  |  |
| Plumbeous Water Redstart *Rhyacornis fuliginosus* |  |  | 5 | 1 |  | 1 |  |  |  |  |
| White-tailed Robin *Myiomela leucura* | I | F |  |  |  |  | 1 | 1 |  |  |
| White-crowned Forktail *Enicurus leschenaulti* | I |  | 1 |  |  | 1 |  |  | 1 | 2 |
| Spotted Forktail *Enicurus maculatus* | I |  |  |  |  | 1 |  |  |  | 1 |
| Slaty-backed Forktail *Enicurus schistaceus* | I |  | 7 |  |  | 1 |  |  |  |  |
| Grey Bushchat *Saxicola ferrea* | I |  | 6 | 6 |  |  |  | 1 |  |  |
| Blue Rock Thrush *Monticola solitarius* | I |  | 3 |  |  |  |  |  |  |  |
| Chestnut-bellied Rock Thrush *Monticola rufiventris* | I | F |  | 1 |  | 1 |  |  |  |  |
| Blue Rock Thrush *Monticola solitarius* | I |  | 6 |  |  | 1 |  |  |  |  |
| Siberian Thrush *Zoothera sibirica* |  | F |  |  |  |  |  |  |  | 1 |
| Long-tailed Thrush *Zoothera dixoni* |  | F |  |  |  |  |  |  | 3 |  |
| Plain-backed Thrush *Zoothera mollissima* | I | F |  |  |  |  |  | 1 |  |  |
| Scaly Thrush *Zoothera dauma* | I | F |  |  |  |  |  |  | 1 | 1 |
| Black-breasted Thrush *Turdus dissimilis* |  |  |  |  |  |  |  |  | 1 |  |
| Chestnut Thrush *Turdus rubrocanus* |  | F |  |  | 1 |  |  |  |  |  |
| Spot-breasted Scimitar Babbler *Pomatorhinus erythrocnemis* |  |  | 8 | 8 | 5 |  | 8 | 4 |  |  |
| Streak-breasted Scimitar Babbler *Pomatorhinus ruficollis* |  |  | 6 | 4 | 5 |  | 8 | 4 | 3 |  |
| Slender-billed Scimitar Babbler *Xiphirhynchus superciliaris* | I | F |  |  |  |  |  |  |  | 2 |
| Bar-winged Wren Babbler *Spelaeornis troglodytoides* | I | F |  |  |  | 8 |  |  |  | 1 |
| Grey-throated Babbler *Stachyris nigriceps* | I | F |  |  |  |  | 3 |  |  |  |
| Rufous-capped Babbler *Stachyris ruficeps* | I |  |  | 29 | 11 | 5 |  | 35 | 7 | 10 |
| Chinese Babax *Babax lanceolatus* |  |  |  | 2 | 7 |  |  |  | 1 |  |
| Hwamei *Garrulax canorus* |  |  | 8 |  |  |  | 1 |  |  |  |
| White-browed Laughingthrush *Garrulax sannio* |  |  | 40 | 3 |  |  |  | 1 |  |  |
| Elliot's Laughingthrush *Garrulax elliotii* |  |  |  |  |  | 6 |  |  |  |  |
| Black-faced Laughingthrush *Garrulax affinis* |  | F |  |  |  | 12 |  |  |  | 1 |
| Greater Necklaced Laughingthrush *Garrulax pectoralis* |  | F | 6 |  |  |  | 1 |  |  |  |
| Lesser Necklaced Laughingthrush *Garrulax monileger* | I | F | 5 |  |  |  |  |  |  |  |
| Chestnut-crowned Laughingthrush *Garrulax erythrocephalus* |  | F |  | 2 | 7 | 17 |  |  | 1 | 2 |
| Moustached Laughingthrush *Garrulax cineraceus* |  | F |  |  |  |  |  |  | 1 |  |
| Red-billed Leiothrix *Leiothrix lutea* |  |  |  |  | 1 |  |  |  |  | 1 |
| Silver-eared Mesia *Leiothrix argentauris* |  |  | 9 |  |  |  | 24 |  |  |  |
| Green Shrike-babbler *Pteruthius xanthochlorus* | I | F |  |  |  | 2 |  |  | 2 | 1 |
| White-browed Shrike-babbler *Pteruthius flaviscapis* | I | F | 3 |  |  |  |  |  |  |  |
| Chestnut-fronted Shrike-babbler *Pteruthius aenobarbus* | I | F |  |  |  | 1 |  |  |  |  |
| Black-headed Shrike-babbler *Pteruthius rufiventer* | I | F |  |  |  |  |  |  |  | 2 |
| Spectacled Barwing *Actinodura ramsayi* | I |  |  | 1 |  |  |  |  |  |  |
| Streaked Barwing *Actinodura souliei* | I | F |  |  |  | 6 |  |  |  | 2 |
| Chestnut-tailed Minla *Minla strigula* |  | F |  | 30 | 35 | 40 |  | 23 | 15 | 17 |
| Red-tailed Minla *Minla ignotincta* | I |  |  | 2 | 2 | 9 |  |  | 4 |  |
| Blue-winged Minla *Minla cyanouroptera* |  |  | 34 | 15 | 2 |  | 15 | 12 |  |  |
| White-browed Fulvetta *Alcippe vinipectus* | I |  |  |  | 23 | 22 |  |  | 31 | 47 |
| Spectacled Fulvetta *Alcippe ruficapilla* | I |  |  | 28 | 23 |  |  | 44 | 32 |  |
| Streak-throated Fulvetta *Alcippe cinereiceps* | I |  |  | 10 | 35 | 49 |  | 9 | 65 | 83 |
| Rusty-capped Fulvetta *Alcippe dubia* | I |  |  | 30 | 51 | 2 |  | 15 | 45 |  |
| Grey-cheeked Fulvetta *Alcippe morrisonia* |  |  | 13 |  | 10 | 11 | 17 | 2 |  | 3 |
| Golden-breasted Fulvetta *Alcippe chrysotis* | I | F |  |  |  | 19 |  |  | 2 | 28 |
| Rufous-winged Fulvetta *Alcippe castaneceps* | I | F |  |  |  | 16 |  |  |  | 66 |
| Black-headed Sibia *Heterophasia melanoleuca* |  | F |  | 4 |  | 5 |  |  | 1 |  |
| White-bellied Yuhina *Yuhina zantholeuca* | I |  |  |  |  |  | 4 |  |  |  |
| White-collared Yuhina *Yuhina diademata* |  |  |  | 2 | 216 | 7 |  |  | 16 | 3 |
| Whiskered Yuhina *Yuhina flavicollis* |  |  |  | 22 |  | 3 |  | 5 |  |  |
| Striated Yuhina *Yuhina castaniceps* |  |  | 25 |  |  |  | 40 |  |  |  |
| Stripe-throated Yuhina *Yuhina gularis* |  |  |  | 11 |  | 158 |  |  |  | 29 |
| Rufous-vented Yuhina *Yuhina occipitalis* |  |  |  |  | 34 | 102 |  |  |  | 19 |
| Brown-winged Parrotbill *Paradoxornis brunneus* | I |  |  |  |  |  |  | 7 |  |  |
| Black-throated Parrotbill *Paradoxornis nipalensis* |  |  |  |  |  | 2 |  |  | 10 | 1 |
| Spot-breasted Parrotbill *Paradoxornis guttaticollis* | I |  |  | 1 |  |  |  | 5 |  |  |
| Brown Parrotbill *Paradoxornis unicolor* |  | F |  |  |  | 5 |  |  |  | 8 |
| Chestnut-headed Tesia *Tesia castaneocoronata* | I | F |  | 3 |  |  |  | 1 |  | 8 |
| Asian Stubtail *Urosphena squameiceps* | I | F |  |  |  |  | 1 |  |  |  |
| Grey-sided Bush Warbler *Cettia brunnifrons* | I |  | 1 | 2 | 2 | 1 |  | 1 |  |  |
| Chestnut-crowned Bush Warbler *Cettia major* | I |  |  |  |  | 1 |  |  |  |  |
| Brownish-flanked Bush Warbler *Cettia fortipes* | I |  | 4 |  |  | 1 | 1 | 4 |  | 2 |
| Japanese Bush Warbler *Cettia diphone* | I |  |  |  |  |  |  | 1 |  |  |
| Yellowish-bellied Bush Warbler *Cettia acanthizoides* | I |  |  |  |  |  | 1 |  |  | 4 |
| Brown Bush Warbler *Bradypterus luteoventris* | I |  |  |  |  |  | 1 |  |  |  |
| White-tailed Leaf Warbler *Phylloscopus davisoni* | I | F | 1 | 15 | 20 |  |  | 5 | 2 |  |
| Blyth's Leaf Warbler *Phylloscopus reguloides* | I | F | 5 | 18 | 16 | 25 | 2 | 10 | 10 | 10 |
| Buff-barred Warbler *Phylloscopus pulcher* | I | F |  | 30 | 24 | 19 |  | 54 | 46 | 31 |
| Tickell's Leaf Warbler *Phylloscopus affinis* | I |  |  |  |  |  | 1 |  |  |  |
| Yellow-browed Warbler *Phylloscopus inornatus* | I |  | 15 | 4 | 11 | 11 | 5 | 2 | 25 | 2 |
| Pallas's Leaf Warbler *Phylloscopus proregulus* | I |  | 35 | 12 | 24 | 3 | 11 | 6 | 28 | 4 |
| Ashy-throated Warbler *Phylloscopus maculipennis* | I | F |  | 3 | 1 | 23 |  | 1 |  | 15 |
| Eastern Crowned Warbler *Phylloscopus coronatus* | I | F | 1 |  | 3 |  |  |  |  |  |
| Large-billed Leaf Warbler *Phylloscopus magnirostris* | I | F |  | 1 |  |  |  |  |  |  |
| Buff-throated Warbler *Phylloscopus subaffinis* | I |  |  |  | 6 | 5 |  | 1 | 1 | 1 |
| Yellow-streaked Warbler *Phylloscopus armandii* | I |  |  | 1 |  |  | 2 |  |  |  |
| Goldcrest *Regulus regulus* | I | F |  |  | 2 | 1 |  |  | 1 |  |
| Black-faced Warbler *Abroscopus schisticeps* | I | F |  |  |  | 7 |  |  |  |  |
| Golden-spectacled Warbler *Seicercus burkii* | I | F | 7 | 11 | 12 | 18 | 9 | 6 | 23 | 30 |
| Chestnut-crowned Warbler *Seicercus castaniceps* | I | F |  | 1 |  |  |  |  |  |  |
| Broad-billed Warbler *Tickellia hodgsoni* | I | F |  |  |  |  |  | 1 |  | 4 |
| Common Tailorbird *Orthotomus sutorius* | I |  | 12 |  |  |  | 9 |  |  |  |
| Mountain Tailorbird *Orthotomus cuculatus* | I |  |  | 3 |  |  |  | 5 |  |  |
| Rufescent Prinia *Prinia rufescens* | I |  | 2 |  | 1 |  | 1 |  | 1 |  |
| Plain Prinia *Prinia inornata* | I |  | 6 |  |  |  |  |  |  |  |
| Hill Prinia *Prinia atrogularis* | I |  |  | 1 |  |  |  |  |  |  |
| Striated Prinia *Prinia criniger* | I |  |  |  |  |  | 1 |  |  |  |
| Rufous- gorgeted Flycatcher *Ficedula strophiata* | I | F | 1 | 5 |  | 2 | 1 | 6 |  | 14 |
| Slaty-blue Flycatcher *Ficedula tricolor* | I | 　 |  | 2 | 2 | 1 |  |  | 1 | 3 |
| Slaty-backed Flycatcher *Ficedulaii hodgsonii* | I |  |  |  | 1 |  |  | 1 |  | 6 |
| Snowy-browed Flycatcher *Ficedula hyperythra* | I | F | 2 |  |  | 2 | 1 |  |  | 4 |
| Fujian Niltava *Niltava davidi* |  | F | 1 |  |  |  |  |  |  |  |
| Rufous-bellied Niltava *Niltava sundara* |  | F |  | 6 | 3 |  | 4 |  | 6 | 3 |
| Yellow-bellied Fantail *Rhipidura hypoxantha* | I | F | 3 | 11 |  | 10 | 1 | 1 |  |  |
| White-throated Fantail *Rhipidura albicollis* | I |  | 8 | 2 |  | 3 | 4 | 2 |  |  |
| Grey-headed Canary Flycatcher *Culicicapa ceylonensis* | I |  |  | 9 | 2 | 2 |  | 4 |  | 1 |
| Verditer Flycatcher *Eumyias thalassina* | I |  |  | 26 | 15 | 13 |  | 1 | 3 |  |
| Yellow-browed Tit *Sylviparus modestus* | I | F |  |  | 1 | 10 |  | 4 | 1 | 3 |
| Great Tit *Parus major* | I |  | 14 |  |  |  | 2 |  |  |  |
| Yellow-cheeked Tit *Parus spilonotus* | I | F |  | 1 |  | 4 |  |  |  |  |
| Green-backed Tit *Parus monticolus* | I | F | 4 | 24 | 57 | 25 |  | 7 | 18 | 1 |
| Black-browed Tit *Aegithalos bonvaloti* | I |  |  | 19 | 24 | 43 |  |  | 59 | 3 |
| Black-throated Tit *Aegithalos concinnus* | I |  |  | 9 | 10 | 30 |  | 11 | 2 |  |
| Chestnut-vented Nuthatch *Sitta nagaensis* | I | F |  |  |  | 4 |  |  |  |  |
| Velvet-fronted Nuthatch *Sitta frontalis* | I | F | 1 |  |  |  | 4 |  |  |  |
| Plain Flowerpecker *Dicaeum concolor* |  |  |  | 3 |  |  |  |  |  |  |
| Fire-breasted Flowerpecker *Dicaeum ignipectus* |  |  |  | 4 |  |  |  |  |  |  |
| Yellow-bellied Flowerpecker *Dicaeum melanoxanthum* |  |  |  | 1 |  |  |  |  |  |  |
| Black-throated Sunbird *Aethopyga saturata* |  |  | 12 |  |  |  | 5 |  |  |  |
| Mrs Gould's Sunbird *Aethopyga gouldiae* |  |  | 1 | 24 | 7 |  |  | 5 | 1 | 1 |
| Green-tailed Sunbird *Aethopyga nipalensis* |  |  |  | 2 |  | 14 |  | 6 |  | 2 |
| Chestnut-flanked White-eye *Zosterops erythropleurus* | I |  |  |  |  |  |  | 3 |  |  |
| Oriental White-eye *Zosterops palpebrosus* |  |  | 76 | 16 | 2 | 7 | 14 | 15 |  | 1 |
| White-rumped Munia *Lonchura striata* |  |  | 3 |  |  |  | 7 |  |  |  |
| Scaly-breasted Munia *Lonchura punctulata* |  |  | 11 |  |  |  |  | 1 |  |  |
| Tibetan Siskin *Carduelis thibetana* |  |  |  | 1 |  |  |  | 1 |  |  |
| Dark-breasted Rosefinch *Carpodacus nipalensis* |  |  |  |  | 2 |  |  |  |  |  |
| Vinaceous Rosefinch *Carpodacus vinaceus* |  |  |  | 1 |  | 1 |  | 7 |  | 1 |
| Common Rosefinch *Carpodacus erythrinus* |  |  |  |  | 13 | 1 |  | 5 | 12 |  |
| Crested Bunting *Melophus lathami* |  |  | 1 |  |  |  |  |  |  |  |
| Chestnut Bunting *Emberiza rutila* |  |  |  |  |  |  |  |  | 1 |  |
| Little Bunting *Emberiza pusilla* |  |  |  | 20 | 2 |  |  | 19 |  |  |
| Tristram's Bunting *Emberiza tristrami* | I |  |  |  |  |  |  | 1 |  |  |
| Yellow-throated Bunting *Emberiza elegans* | I |  |  |  | 2 |  |  |  |  |  |
| Godlewski's Bunting *Emberiza godlewskii* |  |  |  |  | 3 |  |  |  |  |  |
| Bird taxonomy followed Yang *et al*. (1995) and Yang and Yang (2004).\* I: Insectivore, F: Forest interior† SF: Secondary forests, FF: Firewood forests, PP: Pine plantations, PF: Primary forests |