



Supplementary Material

Assessment of Seasonal Distribution and Threats to Avian Fauna of Lahore Safari Zoo

Shahid Mehmood^{1,*}, Bushra Nisar Khan¹, Hassan Raza¹, Rida Ahmad¹, Azhar Muhammad², Zulfiqar Ali², Farhan Abid¹, Fehmeeda Bibi⁴ and Syed Maviz Ahmed⁵

¹Centre for Undergraduate Studies, University of the Punjab, Lahore

²Department of Zoology, University of the Punjab, Lahore

³Safari Zoo Lahore, Lahore

⁴Department of Zoology, Bahauddin Zakariya University, Multan

⁵National College of Arts, Lahore

* Corresponding author: mrshahid0786@gmail.com

0030-9923/2018/0002-0533 \$ 9.00/0

Copyright 2018 Zoological Society of Pakistan

Supplementary Table I.- Avian fauna recorded at Safari Zoo Lahore, District Lahore, Punjab, Pakistan, during October 2014 to September 2015.

| Sr # | Order | Family | Common name | Scientific name | IUCN status | Occurrence |
|------|-----------------|---------------|-----------------------------|-----------------------------------|-------------|------------|
| 1 | Ciconiformes | Ardeidae | Black-crowned night heron | <i>Nycticorax nycticorax</i> | LC | SB |
| 2 | | | Indian pond heron | <i>Ardeola grayii</i> | LC | R |
| 3 | | | Cattle egret | <i>Bubulcus ibis</i> | LC | R |
| 4 | Anseriformes | Anatidae | Mallard | <i>Anas platyrhynchos</i> | LC | WM |
| 5 | Falconiformes | Accipitridae | Black kite | <i>Milvus migrans</i> | LC | R |
| 6 | | | Shikra | <i>Accipiter badius</i> | LC | R |
| 7 | | | Long-legged buzzard | <i>Buteo rufinus</i> | LC | WM |
| 8 | Galliformes | Phasianidae | Grey francolin/partridge | <i>Francolinus pondicerianus</i> | LC | R |
| 9 | Gruiformes | Rallidae | White breasted waterhen | <i>Amaurornis phoenicurus</i> | LC | R |
| 10 | | | Common moorhen | <i>Gallinula chloropus</i> | LC | R |
| 11 | Charadriiformes | Scolopacidae | Temminck's stint | <i>Calidris temminckii</i> | LC | WM |
| 12 | | | Common sandpiper | <i>Actitis hypoleucos</i> | LC | WM |
| 13 | | Charadriidae | Red-wattled lapwing | <i>Vanellu indicus</i> | LC | R |
| 14 | | Rostratulidae | Greater painted snipe | <i>Rostratula benghalensis</i> | LC | R |
| 15 | Columbiformes | Columbidae | Rock dove (pigeon) | <i>Columba livia</i> | LC | R |
| 16 | | | Yellow fronted green pigeon | <i>Treron phoenicoptera</i> | LC | WM |
| 17 | | | Eurasian collard –dove | <i>Streptopelia decaocto</i> | LC | R |
| 18 | | | Red collard dove | <i>Streptopelia tranquebarica</i> | LC | SB |
| 19 | | | Laughing dove | <i>Streptopelia senegalensis</i> | LC | R |
| 20 | | | Pied coucko | <i>Reinwardtoena browni</i> | NT | SB |
| 21 | Psittaciformes | Psittacidae | Alexandrine parakeet | <i>Psittacula eupatria</i> | NT | R |
| 22 | | | Rose-ringed parakeet | <i>Psittacula krameri</i> | LC | R |
| 23 | Strigiformes | Strigidae | Spotted owlet | <i>Athene brama</i> | LC | R |
| 24 | Coraciiformes | Upupidae | Common hoopoe | <i>Upupa epops</i> | LC | R |
| 25 | | Alcedinidae | Pied kingfisher | <i>Ceryle rudis</i> | LC | R |
| 26 | | | White-throated kingfisher | <i>Halcyon gularis</i> | LC | R |

| Sr # | Order | Family | Common name | Scientific name | IUCN status | Occurrence |
|------|---------------|---------------|---------------------------|-----------------------------------|-------------|------------|
| 27 | Coraciiformes | Coraciidae | Indian roller | <i>Coracias benghalensis</i> | LC | R |
| 28 | | Meropidae | Green bee eater | <i>Merops orientalis</i> | LC | R |
| 29 | | Cuculidae | Greater coucal | <i>Centropus sinensis</i> | LC | R |
| 30 | | | Asian koel | <i>Eudynamys scolopaceus</i> | LC | SB |
| 31 | | Bucerotidae | Indian grey hornbill | <i>Ocyrceros birostris</i> | LC | SB |
| 32 | Piciformes | Picidae | Black-rumped flameback | <i>Dinopium benghalense</i> | LC | R |
| 33 | | Picidae | Yellow-crowned woodpecker | <i>Dendrocopos mahrattensis</i> | LC | R |
| 34 | | Megalaimidae | Coppersmith barbet | <i>Megalaima haemacephala</i> | LC | R |
| 35 | Passeriformes | Laniidae | Long tailed shrike | <i>Lanius schach</i> | LC | R |
| 36 | | Corvidae | House crow | <i>Corvus splendens</i> | LC | R |
| 37 | | | Rufous treepie | <i>Dendrocitta vagabunda</i> | LC | R |
| 38 | | Rhipiuridae | White-browed fantail | <i>Rhipidura aureola</i> | LC | R |
| 39 | | Dicruridae | Black drongo | <i>Dicrurus macrocercus</i> | LC | R |
| 40 | | Muscicapidae | Black redstart | <i>Phoenicurus ochruros</i> | LC | WM |
| 41 | | | Indian robin | <i>Saxicoloides fulicata</i> | LC | R |
| 42 | | | Oriental magpie robin | <i>Copsychus saularis</i> | LC | R |
| 43 | | | Common stonechat | <i>Saxicola torquata</i> | LC | SB |
| 44 | | | Brown rock chat | <i>Cercomela fusca</i> | LC | R |
| 45 | | | Pied bushchat | <i>Saxicola caprata</i> | LC | R |
| 46 | | | Blue-throat | <i>Luscinia svecica</i> | LC | WM |
| 47 | | | Variable wheatear | <i>Oenanthe picata</i> | LC | WM |
| 48 | | Sturnidae | Bank myna | <i>Acridotheres ginginianus</i> | LC | R |
| 49 | | | Common myna | <i>Acridotheres tristis</i> | LC | R |
| 50 | | Hiruninidae | Barn swallow | <i>Hirundo rustica</i> | LC | WM |
| 51 | | | Wire- tailed swallow | <i>Hirundo smithii</i> | LC | SB |
| 52 | | | Plain martin | <i>Riparia paludicola</i> | LC | R |
| 53 | | Pycnonotidae | Red-vented bulbul | <i>Pycnonotus cafer</i> | LC | R |
| 54 | | Cisticolidae | Rufous-fronted prinia | <i>Prinia buchanani</i> | LC | R |
| 55 | | Zosteropidae | Oriental white-eye | <i>Zosterops palpebrosus</i> | LC | R |
| 56 | | Timaliidae | Jungle babbler | <i>Turdoides striatus</i> | LC | R |
| 57 | | | Common babblar | <i>Turdoides caudata</i> | LC | R |
| 58 | | | Large grey babblar | <i>Turdoides malcolmi</i> | LC | R |
| 59 | | Turdidae | Blue rock thrush | <i>Monticola solitarius</i> | LC | WM |
| 60 | | Sylbiidae | Common tailorbird | <i>Orthotomus sutorius</i> | LC | R |
| 61 | | Nectariniidae | Purple sunbird | <i>Nectarinia asiatica</i> | LC | SB |
| 62 | | Passeridae | Eurasian tree sparrow | <i>Passer montanus</i> | LC | R |
| 63 | | | House sparrow | <i>Passer domesticus</i> | LC | R |
| 64 | | Motacillidae | White wagtail | <i>Motacilla alba</i> | LC | WM |
| 65 | | | White-browed wagtail | <i>Motacilla maderaspatensis</i> | LC | R |
| 66 | | | Paddyfield pipit | <i>Anthus rufulus</i> | LC | R |
| 67 | | Estrildidae | Scaly-breasted munia | <i>Lonchura punctulata</i> | LC | R |
| 68 | | | Indian silverbill | <i>Lonchura griseicapilla</i> | LC | R |
| 69 | | Oriolidae | Eurasian golden oriole | <i>Oriolus oriolus</i> | LC | PM |
| 70 | | Laniidae | Rufous tailed shrike | <i>Lanius isabellinus</i> | LC | WM |
| 71 | | Campephagidae | Common woodshrike | <i>Tephrodornis pondicerianus</i> | LC | R |

R, resident; WM, winter migrant; SB, summer breeder; PM, passage migrant; LC, least concern; NT, near threatened. 50 resident, 12 winter migrants; 8 summer breeders and one passage migrant.