

SPOTTED BUSH-WARBLER <i>Bradypterus thoracicus</i>	1,27
BROWN BUSH-WARBLER <i>Bradypterus luteoventris</i>	28
PADDYFIELD WARBLER <i>Acrocephalus agricola</i>	17
THICK-BILLED WARBLER <i>Acrocephalus aedon</i>	17
SMOKY WARBLER <i>Phylloscopus fuliginifer</i>	9,36
BUFF-BARRED WARBLER <i>Phylloscopus pulcher</i>	9,36
SPOT-BREADED LAUGHINGTHRUSH <i>Garrulax merulinus</i>	1,17
SCALY LAUGHINGTHRUSH <i>Garrulax subunicolor</i>	1,2,13,28,48
BUFF-BREADED BABBLER <i>Pellorneum tickelli</i>	2,5,12,13,17,20,24,35,45
SPOT-THROATED BABBLER <i>Pellorneum albiventris</i>	1,2,25
LARGE SCIMITAR-BABBLER <i>Pomatorhinus hypoleucos</i>	12,17,20,36
SPOT-BREADED SCIMITAR-BABBLER <i>Pomatorhinus erythrocnemis</i>	36
*RUSTY-THROATED WREN-BABBLER <i>Spelaornis badeigularis</i>	2,34
YELLOW-EYED BABBLER <i>Chrysomma sinense</i>	17
SLENDER-BILLED BABBLER <i>Turdoides longirostris</i>	36
JUNGLE BABBLER <i>Turdoides striatus</i>	13,36
STREAK-THROATED FULVETTA <i>Alcippe cinereiceps</i>	37
RUSTY-CAPPED FULVETTA <i>Alcippe dubia</i>	12,17,20,25
GREY SIBIA <i>Heterophasia gracilis</i>	3,36
*BLACK-BREADED PARROTBILL <i>Paradoxornis flavirostris</i>	9,36
FULVOUS PARROTBILL <i>Paradoxornis fulvifrons</i>	28
HORNED LARK <i>Bremophila alpestris</i>	36
YELLOW-BELLIED FLOWERPECKER <i>Dicaeum melanoxanthum</i>	9,36
ORANGE-BELLIED FLOWERPECKER <i>Dicaeum trigonostigma</i>	36
PALE-BELLIED FLOWERPECKER <i>Dicaeum erythrorhynchos</i>	36
FOREST WAGTAIL <i>Dendronanthus indicus</i>	17
RUFOUS-STREAKED ACCENTOR <i>Prunella himalayana</i>	9,36
ROBIN ACCENTOR <i>Prunella rubeculoides</i>	26
TIBETAN SERIN <i>Serinus tibetanus</i>	36
PLAIN MOUNTAIN-FINCH <i>Leucosticte nemoricola</i>	17,28
CRIMSON ROSEFINCH <i>Carpodacus rubescens</i>	28
RED-FRONTED ROSEFINCH <i>Carpodacus puniceus</i>	9,36
RED CROSSBILL <i>Loxia curvirostra</i>	36
CHESTNUT-EARED BUNTING <i>Emberiza fucata</i>	36
CHESTNUT BUNTING <i>Emberiza rutila</i>	37

Birds of Rajaji National Park, India

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INTRODUCTION

Rajaji National Park (29°51'7"N to 30°15'5"N and 77°57'7"E to 78°23'36" E) is situated in the Shiwalik hills and outer Himalaya of Uttar Pradesh state of India. It is 820.2 km² in area and it spreads over the civil districts of Dehra Dun, Haridwar and Garhwal (Fig. 1). The tract is mainly hilly, traversed by a number of steep ridges and valleys alternating with each other. The river Ganges bisects the park.

STUDY AREA

The area to the west of the Ganges belongs to the Shiwalik chain of mountains and has a prominent north-west south-east ridge running through the middle of it. The area north of this ridge slopes gently into the Dehra Dun valley and is covered with dense Sal *Shorea robusta* forests. Champion and Seth (1968) classified it as Moist Shiwalik Sal Forest. The area south of the ridge has a jagged topography with a number of steep ridges which emerge from the main Shiwalik ridge and have narrow valleys between them, housing seasonally swift rivers locally called 'Rau' (dried river bed). The ridges are grassy with scattered tree growth. A strip of forest on flat ground forms the southern boundary of the park. The forest on the south of the main ridge can be termed as Dry Shiwalik Sal Forest according to Champion and Seth (1968). *Anogeissus latifolia* is abundant on slopes, associated with Sal in some places. The area east of the Ganges does not have a well defined main ridge. The northern part of this area belongs to the outer Himalaya. Numerous ridges run in various directions and there are some elevated flat areas. In general the forest varies from moist to dry and from mixed to nearly pure Sal forest, depending on the aspect and slope.

A substantial area of the park is comprised of river beds which remain dry for the greater part of the year. Some areas are under plantations of *Ailanthus excelsa*, *Tectona grandis*, *Haplophragma* etc. There is a barrage on the River Ganges near Haridwar city. The backwaters of the reservoir, as well as a small stretch of the river Ganges, lie in the national park. These water bodies attract a lot of resident and migratory waterbirds.

Rajaji has a typical continental climate, characterized by a distinct summer (March-June) and winter (October-February). The temperature

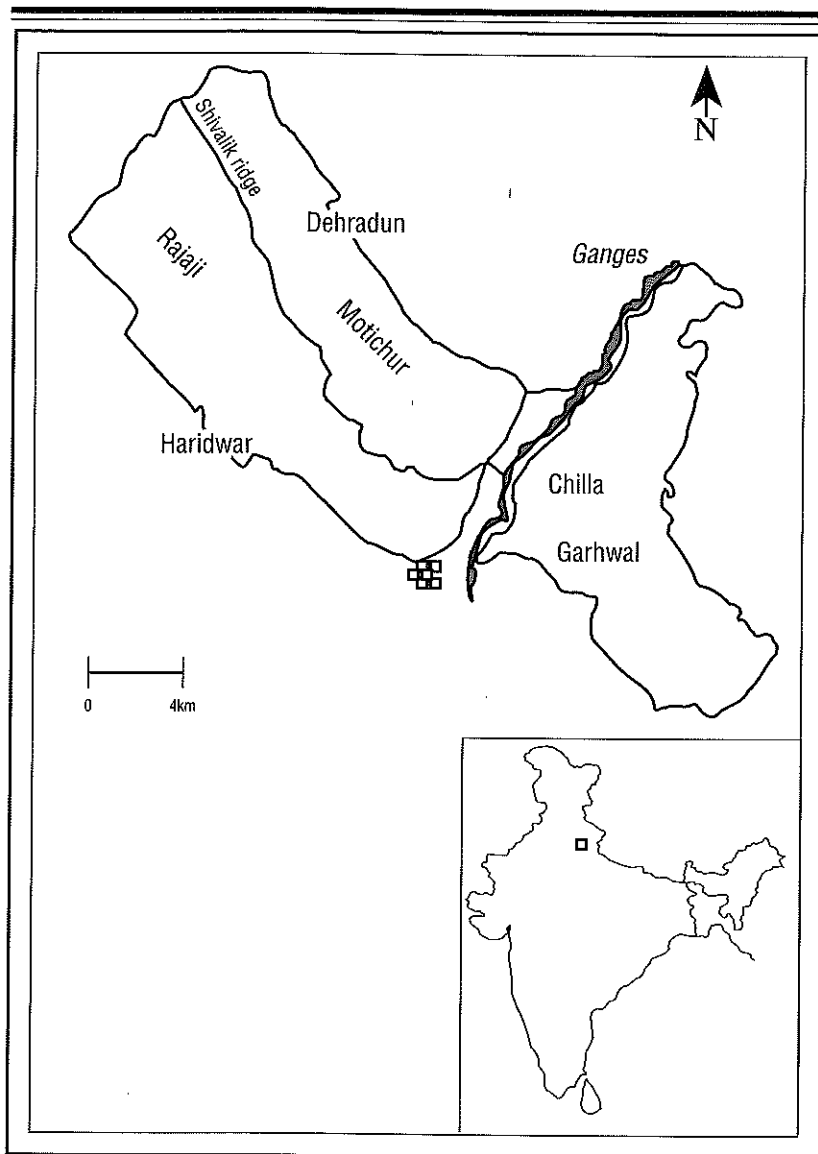


Figure 1. Rajaji National Park, India

varies from -1°C in winter to 44°C in summer. The average annual rainfall is around 2,000 mm, with most of it occurring during the south-west monsoon from July to September.

METHODS

Research on the contemporary status of the avifauna of Rajaji is lacking. In the first half of this century a comprehensive bird list for the Dehra Dun valley was prepared by Osmaston (1935). Dr Salim Ali and Dillon Ripley have made observations on the avifauna in Doon valley (Ali and Ripley 1983). The present bird records span a period of seven years (1986-1992). S.P. initiated the bird observations with A.J.T.J. in August-September 1986. Rai (1991) worked on bird species diversity in Rajaji N.P. as a part of his M.Sc. dissertation. J.J. has carried out observations in the National Park since 1989, covering all seasons and most of the areas. Other members have been contributing their observations from birding trips to Rajaji, which is only 20 km from the Wildlife Institute of India, Dehra Dun.

RESULTS

A total of 312 bird species has been recorded. Of these, 144 are residents, 89 are migrants, 53 are altitudinal migrants, 8 are local migrants and the status of the remaining 18 is unknown. Some species of birds are at the western edge of their distribution in Rajaji: Great Hornbill *Buceros bicornis* and Golden-fronted Leafbird *Chloropsis aurifrons*. The Green Magpie *Cissa chinensis* has been reported from forest adjoining the Rajaji National Park, an area which links it with Corbett National Park. The number of sightings for 20 birds are very high, 112 birds were seen quite regularly and 180 birds were seen intermittently. Four main parameters, i.e. habitat types, frequency of observation, migration status and season of observation were recorded at the time of making observations on birds in the field. The bird list appended has details of all these aspects.

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APPENDIX 1

BIRDS SEEN IN RAJAJI NATIONAL PARK 1986-1992

	Month/ Season	Habitat	Abundance	Resident/ migrant
BLACK FRANCOLIN <i>Francoelinus francolinus</i>	A	RG,SC	1	R
GREY FRANCOLIN <i>Francoelinus pondicerianus</i>	A	SC,RG	2	R
JUNGLE BUSH-QUAIL <i>Perdica asiatica</i>	A	SA,SC,RG	1	R
RED SPURFOWL <i>Gallus padana</i>	A	SA,SC	1	R
RED JUNGLEFOWL <i>Gallus gallus</i>	A	S,HM,SA,R,RG,SC,P	3	R
KALIJ PHEASANT <i>Lophura leucomelanos</i>	A	S,HM,SA,R,RG,SC,P	2	R
INDIAN PEAFOWL <i>Pavo cristatus</i>	A	S,HM,SA,R,RG,SC,P	3	R
RUDDY SHELDUCK <i>Tadorna ferruginea</i>	W	A	3	M
FALGATED DUCK <i>Anas falcata</i>	W	A	1	M
EURASIAN WIGDON <i>Anas penelope</i>	W	A	1	M
MALLARD <i>Anas platyrhynchos</i>	W	A	2	M
SPOT-BILLED DUCK <i>Anas poecilorhynchos</i>	W/S	A	2	M
NORTHERN SHOVELER <i>Anas clypeata</i>	W	A	1	M
NORTHERN PINTAL <i>Anas acuta</i>	W	A	2	M
COMMON TEAL <i>Anas crecca</i>	W	A	3	M
RED-CRESTED POCHARD <i>Netta rufina</i>	W	A	1	M
COMMON POCHARD <i>Aythya ferina</i>	W	A	1	M
FERRUGINOUS POCHARD <i>Aythya nyroca</i>	W	A	1	M
TUFTED DUCK <i>Aythya fuligula</i>	W	A	1	M
COMMON MERGANSER <i>Mergus merganser</i>	W	A	2	M
EURASIAN WRYNECK <i>Jynx torquilla</i>	S	S,HM	1	M
GREY-CAPPED WOODPECKER <i>Dendrocopos canicapillus</i>	A	S,HM,SA,R,P	2	R
FULVOUS-BREASTED WOODPECKER <i>Dendrocopos macaei</i>	A	S,HM,SA,R,P	2	R
YELLOW-CROWNED WOODPECKER <i>Dendrocopos maharattensis</i>	W	S,SA,HM,R	1	?
RUFIOUS WOODPECKER <i>Ceolus brachyurus</i>	S	S,SA,HM	1	?
LESSER YELLOWNAPE <i>Picus chlorolophus</i>	W/S	S,HM,SA,R	1	R
STREAK-THROATED WOODPECKER <i>Picus xanthopygaeus</i>	W/S	S,HM,SA,R	1	R
GREY-HEADED WOODPECKER <i>Picus canus</i>	W/S	S,HM,SA,R	1	R
HIMALAYAN FLAMEBACK <i>Dinopium shorii</i>	A	S,HM,SA,R,P	2	R
BLACK-RUMPED FLAMEBACK <i>Dinopium benghalense</i>	A	S,HM,SA,R,P,SC	3	R
GREATER FLAMEBACK <i>Chrysocolaptes lucidus</i>	A	S,HM,SA,R,P	1	R
WHITE-NAPED WOODPECKER <i>Chrysocolaptes festivus</i>	A	S,HM,SA,R,P	1	R
GREAT BARBET <i>Megalaima virens</i>	W	S,HM	1	AM
BROWN-HEADED BARBET <i>Megalaima zeylanica</i>	A	S,SA,HM,R,P	3	R
LINED BARBET <i>Megalaima lineata</i>	A	S,SA,HM,R	2	R
BLUE-THROATED BARBET <i>Megalaima asiatica</i>	W/S	S,HM,R,SA	1	R
COPPERSMITH BARBET <i>Megalaima haemacephala</i>	A	HM,S,SA,R	2	R
INDIAN GREY-HORNBILL <i>Ocyroceros birostris</i>	A	S,SA,HM,R,P	3	R
ORIENTAL PIED-HORNBILL <i>Anthracoceros albirostris</i>	A	S,SA,HM,R,P	2	R
GREAT HORNBILL <i>Buceros bicornis</i>	W/S	S,HM,R	1	R?
EURASIAN HOOPOE <i>Upupa epops</i>	A	S,SA,RG,SC,D	2	R
INDIAN ROLLER <i>Ceracias benghalensis</i>	A	S,SC,P,D,RG	2	R
DOLLARBIRD <i>Eurystomus orientalis</i>	A	SA,HM	1	R
COMMON KINGFISHER <i>Alcedo arthis</i>	A	A,RG	2	R
STORK-BILLED KINGFISHER <i>Pelagopsis capensis</i>	A	A,D,RG	1	R
WHITE-THROATED KINGFISHER <i>Halcyon smyrenensis</i>	A	A,S,SA,RG,P,SC	2	R
CRESTED KINGFISHER <i>Megasceryle lugubris</i>	W	A	1	AM
PIED KINGFISHER <i>Ceryle rudis</i>	A	A	2	R
BLUE-BEARDED BEE-EATER <i>Nyctyornis athertoni</i>	A	S,SM,HM	1	R

LITTLE GREEN BEE-EATER <i>Merops orientalis</i>	A	S,SA,P,RG,D,SC	3	R
BLUE-TAILED BEE-EATER <i>Merops philippinus</i>	A	D,RG	3	R
CHESTNUT-HEADED BEE-EATER <i>Merops leschenaultii</i>	W/S	SA,RG,R	2	R
PIED CUCKOO <i>Oxytophus jacobinus</i>	S/M	S,SA,RG,SC	1	M
COMMON HAWK-CUCKOO <i>Cuculus varius</i>	A	S,HM,SA,R	1	R
INDIAN CUCKOO <i>Cuculus micropterus</i>	S	S,SA,HM,RG,SC,R,P	1	M
COMMON CUCKOO <i>Cuculus canorus</i>	S	S,SA,HM,RG,SC,R,P	1	M
LESSER CUCKOO <i>Cuculus poliocephalus</i>	M/W	S,SA,HM,RG,SC,R,P	1	M
GREY-BELLIED CUCKOO <i>Cacomantis passerinus</i>	S	S,SA,SC	1	M
DRONGO CUCKOO <i>Surnicidus lugubris</i>	S	S,SA,HM	1	M
ASIAN KOBL <i>Eudynamis scolopacea</i>	A	S,SA,R,P	2	R
SIRKEER MALKOHA <i>Phaenicophaeus leschenaultii</i>	S	S,HM	1	M
GREATER COUCAL <i>Centropus sinensis</i>	A	SA,R,RG,SC	1	R
ALEXANDRINE PARAKEET <i>Psittacula eupatria</i>	A	S,SA	2	R
ROSE-RINGED PARAKEET <i>Psittacula krameri</i>	A	S,SA,HM,RG,SC,R,P	2	R
SLATY-HEADED PARAKEET <i>Psittacula himalayana</i>	W	S,SA,HM,RG,SC,R,P	3	AM
PLUM-HEADED PARAKEET <i>Psittacula cyanocephala</i>	A	S,SA,HM,RG,SC,R,P	2	R
ALPINE SWIFT <i>Tachymarptis melba</i>	A	D	2	R
LITTLE SWIFT <i>Apus affinis</i>	A	D	2	R
CRESTED TREESWIFT <i>Hemiprocne coronata</i>	S	S,SA	1	R
ROCK EAGLE-OWL <i>Bubo bengalensis</i>	S	S,SA	1	?
BROWN FISH-OWL <i>Ketupa zeylonensis</i>	A	S,HM,RG	1	R
JUNGLE OWLET <i>Glaucidium radiatum</i>	A	S,SA,HM,R,P	1	R
SPOTTED OWLET <i>Athene brama</i>	A	S,SA,D	2	R
BROWN HAWK OWL <i>Ninox scutulata</i>	A	SA	1	R
GREY NIGHTJAR <i>Caprimulgus indicus</i>	A	S,SA,RG,SC	1	R
LARGE-TAILED NIGHTJAR <i>Caprimulgus macrurus</i>	A	S,SA,RG,SC,P	2	R
INDIAN NIGHTJAR <i>Caprimulgus asiaticus</i>	S	SC	1	?
SAVANNA NIGHTJAR <i>Caprimulgus affinis</i>	A	S,HM,SA,RG,SC	1	R
ROCK PIGEON <i>Columba livia</i>	A	D	2	R
ORIENTAL TURKLE-DOVE <i>Streptopelia orientalis</i>	A	S,SA,HM,SC,RG,P	2	R
LAUGHING DOVE <i>Streptopelia senegalensis</i>	A	S,SA,SC,RG	1	R
SPOTTED DOVE <i>Streptopelia chinensis</i>	A	S,SA,SC,HM,P,R,RG,D	3	R
RED COLLARED-DOVE <i>Streptopelia tranquebarica</i>	S/M	S,SA,RG,SC,P	1	M
EURASIAN COLLARED-DOVE <i>Streptopelia decaocto</i>	A	SA,RG,SC,P	2	R
EMERALD DOVE <i>Chalcophaps indica</i>	A	S	1	R
YELLOW-FOOTED GREEN-PIGEON <i>Treron phoenicoptera</i>	W/S	S,SA,R	2	M
WHITE-BREASTED WATERHEN <i>Anaouornis phoenicurus</i>	W/S	D	1	R
COMMON MOORHEN <i>Gallinula chloropus</i>	W/S	A	1	M
COMMON COOT <i>Fulica atra</i>	W	A	1	M
COMMON REDSHANK <i>Tringa totanus</i>	W	A	1	M
COMMON GREENSHANK <i>Tringa nebularia</i>	W/S	A,RG	1	M
NORDMANN'S GREENSHANK <i>Tringa guttifer</i>	W	A	1	M
GREEN SANDPIPER <i>Tringa ochropus</i>	W	S,SA,RG	1	M
WOOD SANDPIPER <i>Tringa glareola</i>	W	A,RG	1	M
COMMON SANDPIPER <i>Tringa hypoleucos</i>	W	A	1	M
LITTLE STINT <i>Calidris minuta</i>	W	A	1	M
EURASIAN THICK-KNEE <i>Burhinus oedienemus</i>	S	SA,RG	1	?
GREAT THICK-KNEE <i>Burhinus recurvirostris</i>	A	R	2	R
BLACK-WINGED STILT <i>Himantopus himantopus</i>	W	A	1	M
LITTLE RINGED PLOVER <i>Charadrius dubius</i>	W/S	A,RG	1	M
NORTHERN LAPWING <i>Vanellus vanellus</i>	W	R	1	M
RIVER LAPWING <i>Vanellus duvaucelii</i>	A	R,RG	2	R
RED-WATTLED LAPWING <i>Vanellus indicus</i>	A	R,RG	2	R
SMALL PRATINCOLE <i>Glarola lactea</i>	S	A	1	M
YELLOW-LEGGED GULL <i>Larus cachimans</i>	W	A	2	M
BROWN-HEADED GULL <i>Larus brunicephalus</i>	W	A	1	M
BLACK-HEADED GULL <i>Larus ridibundus</i>	W	A	2	M

RIVER TERN <i>Sterna aurantia</i>	W	A	1	M
LITTLE TERN <i>Sterna albifrons</i>	W	A	1	M
BLACK-BELLIED TERN <i>Sterna acuticauda</i>	W	A	1	M
OSPREY <i>Pandion haliaetus</i>	W	A	1	M
ORIENTAL HONEY-BUZZARD <i>Pernis ptilorhynchus</i>	A	HM,S,SA	1	R
BLACK-WINGED KITE <i>Elanus caeruleus</i>	A	HM,S,SA	1	R
BLACK KITE <i>Mitrus migrans</i>	A	D	2	LM
PALLAS'S SEA-EAGLE <i>Haliaeetus leucoryphus</i>	A	A	2	R
LESSER FISH-EAGLE <i>Ichthyophaga humilis</i>	W/S	A	1	R
EGYPTIAN VULTURE <i>Neophron percnopterus</i>	A	S,HM,SA,RG	1	R
WHITE-RUMPED VULTURE <i>Gyps bengalensis</i>	A	S,HM,SA,R,RG,SC,P	3	R
LONG-BILLED VULTURE <i>Gyps indicus</i>	W/S	S,HM,SA,R,RG	1	AM
HIMALAYAN GRIFFON <i>Gyps himalayensis</i>	W	RG	1	AM
EURASIAN GRIFFON <i>Gyps fulvus</i>	W	RG	1	AM
CINEREOUS VULTURE <i>Aegypius monachus</i>	W	RG	1	AM
RED-HEADED VULTURE <i>Sarcogyps calvus</i>	A	S,HM,SA,R,RG,SC,P	1	R
SHORT-TOED SNAKE-EAGLE <i>Circaetus gallicus</i>	A	S,HM	1	?
CRESTED SERPENT-EAGLE <i>Spilornis cheela</i>	A	S,HM,SA,R,RG,SC,P	2	R
WESTERN MARSH-HARRIER <i>Circus aeruginosus</i>	W	A,S,SA	1	M
SHIKRA <i>Accipiter badius</i>	A	HM,S,SA	2	R
EURASIAN SPARROWHAWK <i>Accipiter nisus</i>	A	HM,S,SA	1	R
NORTHERN GOSHAWK <i>Accipiter gentilis</i>	W/S	S,HM,RG,SC	1	?
WHITE-EYED BUZZARD <i>Butastur teesa</i>	S	HM	1	?
BLACK EAGLE <i>Ictinaetus malayensis</i>	W/S	S,HM	1	AM
LESSER SPOTTED EAGLE <i>Aquila pomarina</i>	S	R	1	?
GREATER SPOTTED EAGLE <i>Aquila clanga</i>	A	R	1	R
CHANGEABLE HAWK-EAGLE <i>Spizaetus cirrhatu</i>	A	HM,S,SA	1	R
COMMON KESTREL <i>Falco tinnunculus</i>	A	RG	1	R
PEREGRINE FALCON <i>Falco peregrinus</i>	S	S,SA,SC,P,RG	1	AM
LITTLE GREBE <i>Tachybaptus ruficollis</i>	W	A	1	LM
GREAT CRESTED GREBE <i>Podiceps cristatus</i>	W	A	1	M
ORIENTAL DARTER <i>Anhinga melanogaster</i>	W	A	1	M
LITTLE CORMORANT <i>Phalacrocorax niger</i>	A	A	1	R
INDIAN CORMORANT <i>Phalacrocorax fuscicollis</i>	W	A	1	M
GREAT CORMORANT <i>Phalacrocorax carbo</i>	A	A	2	R
LITTLE EGRET <i>Egretta garzetta</i>	A	A	2	R
GREY HERON <i>Ardea cinerea</i>	A	A	2	R
PURPLE HERON <i>Ardea purpurea</i>	W	A	1	M
GREAT EGRET <i>Casmerodius albus</i>	A	A	2	R
INTERMEDIATE EGRET <i>Mesophoyx intermedia</i>	A	A	1	R
CATTLE EGRET <i>Bubulcus ibis</i>	W/S	SA,D,A	2	LM
INDIAN POND-HERON <i>Ardeola grayii</i>	A	A,R,RG	2	R
STRIATED HERON <i>Butorides striatus</i>	W/S	R,RG	1	R
BLACK-CROWNED NIGHT-HERON <i>Nycticorax nycticorax</i>	A	A	2	R
PAINTED STORK <i>Mycteria leucocephala</i>	S	A	2	M
BLACK STORK <i>Ciconia nigra</i>	W/S	A,RG	2	M
BLACK-NECKED STORK <i>Ephippiorhynchus asiaticus</i>	W/S	A	1	M
INDIAN PITTA <i>Pitta brachyura</i>	S	S,HM,SA,R,RG,SC	2	M
GOLDEN-FRONTED LEAFBIRD <i>Chloropsis aurifrons</i>	A	S,SA,SC,R,P	1	R
ORANGE-BELLIED LEAFBIRD <i>Chloropsis hardwickii</i>	W	S,HM,R	1	M
ISABELLINE SHRIKE <i>Lanius isabellinus</i>	W/S	S,SA,R,SC	1	M
BAY-BACKED SHRIKE <i>Lanius vittatus</i>	S	S,SA,RG,SC	1	M
LONG-TAILED SHRIKE <i>Lanius schach</i>	A	S,SA,RG,SC,P	2	R
NORTHERN SHRIKE <i>Lanius excubitor</i>	W	S,SA	1	?
GOLD-BILLED MAGPIE <i>Urocissa flavirostris</i>	W	S,HM	1	AM
BLUR MAGPIE <i>Urocissa erythrorhyncha</i>	W	S,HM	1	AM
GREEN MAGPIE <i>Cissa chinensis</i>	W	S	1	?
RUFIOUS TREBPIE <i>Dendrocitta vagabunda</i>	A	S,SA,HM,R,P	2	R

GREY TREBPIE <i>Dendrocitta formosae</i>	W	S,SA,HM,R	1	AM
HOUSE CROW <i>Corvus splendens</i>	A	D	2	LM
LARGE-BILLED CROW <i>Corvus macrorhynchos</i>	A	S,SA,HM,R,P,RG,SC,D	2	R
ASHY WOOD-SWALLOW <i>Ayamias fuscus</i>	W/S	S,SA,HM,R	1	?
EURASIAN GOLDEN-ORIOLE <i>Oriolus oriolus</i>	A	S,HM,SA,R,P	2	R
BLACK-HOODED ORIOLE <i>Oriolus xanthornus</i>	A	S,HM,SA,R,P,SC	2	R
MAROON ORIOLE <i>Oriolus trailii</i>	W/S	S,HM,SA,P	1	AM
LARGE CUCKOO-SHRIKE <i>Coracina macei</i>	A	S,SA,HM,R,P	1	R
BLACK-HEADED CUCKOO-SHRIKE <i>Coracina melanoptera</i>	S	S,SA,R,SC	1	M
ROSY MINIVET <i>Pericrocotus roseus</i>	W	S,HM,R	2	AM
SMALL MINIVET <i>Pericrocotus cinnamomeus</i>	A	S,HM,SA,R,P	3	R
LONG-TAILED MINIVET <i>Pericrocotus ethologus</i>	W	S,SA,HM,R	1	M?
SCARLET MINIVET <i>Pericrocotus flammeus</i>	A	S,SA,HM,R,P	2	R
BAR-WINGED FLYCATCHER-SHRIKE <i>Hemipus picatus</i>	W	S,SA,SC	1	AM
YELLOW-BELLIED FANTAIL <i>Rhipidura hypoxantha</i>	W	S,SA,HM,R,P	1	AM
WHITE-THROATED FANTAIL <i>Rhipidura albicollis</i>	W/S	S,SA,HM,R,P,SC	2	M
WHITE-BROWED FANTAIL <i>Rhipidura aureola</i>	A	S,R,SA,SC	2	R
BLACK DRONGO <i>Dicrurus macrocerus</i>	A	P,SA,RG,SC,D	2	R
ASHY DRONGO <i>Dicrurus leucophaeus</i>	W	S,SA,HM,R	1	M
WHITE-BELLIED DRONGO <i>Dicrurus caeruleus</i>	A	S,SA,HM,R	1	R
HAIR-CRESTED DRONGO <i>Dicrurus hottentotus</i>	A	S,SA,HM,R,P	2	R
BLACK-NAPED MONARCH <i>Hypothymis aurea</i>	W	S,SA,R	1	M
ASIAN PARADISE-FLYCATCHER <i>Terpsiphona paradisi</i>	S	S,SA,HM,R,P,SC	2	M
COMMON IORA <i>Aegintha tiphia</i>	A	S,HM,SA,R,P	2	R
COMMON WOODSHRIKE <i>Tephrodornis pondicerianus</i>	A	SA,HM,R,SC,P	1	R
BROWN DIPPER <i>Cinclus pallasi</i>	W	A,RG	1	AM
BLUE-CAPPED ROCK-THRUSH <i>Monticola cinclorhynchus</i>	W	D,R	1	AM
CHESTNUT-BELLIED ROCK-THRUSH <i>Monticola rufiventris</i>	W	HM	1	?
BLUE ROCK-THRUSH <i>Monticola solitarius</i>	W	S,HM	1	M
BLUE WHISTLING-THRUSH <i>Myiophonus caeruleus</i>	W	S,HM,R,RG	2	AM
ORANGE-HEADED THRUSH <i>Zoothera citrina</i>	S	SA,R	1	M
SCALY THRUSH <i>Zoothera dauma</i>	W	SA,RG,SC	1	M
GREY-WINGED BLACKBIRD <i>Turdus boulboul</i>	W	S,RG,D,P	2	M
DARK-THROATED THRUSH <i>Turdus ruficollis</i>	W	RG,SC	2	M
DARK-SIDED FLYCATCHER <i>Muscicapa sibirica</i>	W	S,SA,SC,P,D	1	AM
ASIAN BROWN FLYCATCHER <i>Muscicapa dauurica</i>	W	S,HM,SA,SC,P,R	1	AM
RUFIOUS-GORGETED FLYCATCHER <i>Ficedula strophitata</i>	W	S,HM,R	1	M
RED-BREASTED FLYCATCHER <i>Ficedula parva</i>	W	S,HM,SA,SC,P,R,D	2	AM
SNOWY-BROWED FLYCATCHER <i>Ficedula hyperythra</i>	W	S,R	1	M
ULTRAMARINE FLYCATCHER <i>Ficedula superciliosa</i>	W	R,S,SA,HM,P	1	M
SLATY-BLUE FLYCATCHER <i>Ficedula tricolor</i>	W	HM,SA,SC	1	AM
VERDITER FLYCATCHER <i>Eumyias thalassina</i>	W	S,SA,HM,R,P	1	AM
RUFIOUS-BELLIED NILTAVA <i>Niltava sundara</i>	W	S,HM,R	1	M
TICKELL'S BLUE-FLYCATCHER <i>Cyornis tickelliae</i>	W/S	S,SA,HM,R	1	AM
GREY-HEADED CANARY-FLYCATCHER <i>Culicicapa ceylonensis</i>	W	S,SA,HM,R,P	2	AM
WHITE-BROWED BUSH-ROBIN <i>Tarsiger indicus</i>	W	HM	1	?
ORIENTAL MAGPIE-ROBIN <i>Copsychus saularis</i>	A	S,SA,HM,P,R,D,SC	2	R
WHITE-RUMPED SHAMA <i>Copsychus malabaricus</i>	W/S	S,R	1	M
INDIAN ROBIN <i>Saxicola leucophaea</i>	A	D,HM,SA,RG,SC	2	R
BLACK REDSTART <i>Phoenicurus ochruros</i>	W/S	SC,RG	2	R
BLUE-CAPPED REDSTART <i>Phoenicurus caeruleocephalus</i>	W	HM	1	M
WHITE-CAPPED WATER-REDSTART <i>Chaimarornis leucocephalus</i>	W	A,R	2	M
PLUMBEOUS WATER-REDSTART <i>Rhyacornis fuliginosus</i>	W	A,R	2	AM
SIBERIAN STONECHAT <i>Saxicola maura</i>	W	HM,RG,SC	1	M
PIED BUSHCHAT <i>Saxicola caprata</i>	A	HM,SA,RG,SC	2	R
GREY BUSHCHAT <i>Saxicola ferrea</i>	W	HM,SA,RG,SC	2	AM
RUFIOUS-TAILED WHEATEAR <i>Oenanthe xanthopygma</i>	W	D	1	?
BROWN ROCKCHAT <i>Cercomela fusca</i>	A	HM,SA,P	1	R

CHESTNUT-TAILED STARLING <i>Sturnus malabaricus</i>	A	S, HM, SA, R	1	R
BRAHMINY STARLING <i>Sturnus pagodarum</i>	A	S, HM, SA, RG, SC	1	R
COMMON STARLING <i>Sturnus vulgaris</i>	W	R, RG	1	M
ASIAN PIED STARLING <i>Sturnus contra</i>	A	S, SA, RG, SC, P	2	R
COMMON MYNA <i>Acridotheres tristis</i>	A	S, SA, RG, SC, P, R	3	R
BANK MYNA <i>Acridotheres ginginianus</i>	A	D	2	R
JUNGLE MYNA <i>Acridotheres fuscus</i>	W/S	S, SA, R, HM	2	LM
CHESTNUT-BELLIED NUTHATCH <i>Sitta castanea</i>	A	S, SA, R, HM, P, SC	2	R
VELVET-FRONTED NUTHATCH <i>Sitta frontalis</i>	A	S, SA, R, HM, P	1	R
WALL-CREEPER <i>Tichodroma muraria</i>	W	HM, RG	1	M
BAK-TAILED TREE-CREEPER <i>Certhia himalayana</i>	W	S, SA, HM, R, P	1	M
RUSTY-FLANKED TREE-CREEPER <i>Certhia nipalensis</i>	W	S, SA, HM, R	1	M
FIRE-CAPPED TIT <i>Cephalopyrus flammiceps</i>	W	S, SA, HM, R	1	AM
GREAT TIT <i>Parus major</i>	A	S, SA, HM, R, SC, P	2	R
GREEN-BACKED TIT <i>Parus monticolus</i>	W	S, SA, R	1	AM
SAND MARTIN <i>Riparia riparia</i>	A	R, D, A	2	R
PLAIN MARTIN <i>Riparia paludicola</i>	S	R, D, A	2	R
DUSKY CRAG-MARTIN <i>Hirundo concolor</i>	A	R, D, A	2	R
BARN SWALLOW <i>Hirundo rustica</i>	A	S, SA, HM, RG, A, D	1	R
WIRE-TAILED SWALLOW <i>Hirundo smithii</i>	A	D, R, A, RG, SC	2	R
RED-RUMPED SWALLOW <i>Hirundo daurica</i>	A	D, A, RG, SC	2	R
STREAK-THROATED SWALLOW <i>Hirundo flavicollis</i>	A	D, SC	2	R
BLACK-CRESTED BULBUL <i>Pycnonotus melanicterus</i>	W/S	S, HM	1	AM
HIMALAYAN BULBUL <i>Pycnonotus leucogenys</i>	A	S, SA, SC, P	1	R
RED-VENTED BULBUL <i>Pycnonotus cafer</i>	A	S, SA, HM, R, SC, P	3	R
BLACK BULBUL <i>Hypsipetes leucocephalus</i>	W	S, HM, R, P, SA	2	AM
STRIATED PRINIA <i>Prinia crinita</i>	W	SC, RG	1	?
GREY-BREASTED PRINIA <i>Prinia hodgsonii</i>	A	SA, HM, RG, SC, P	3	R
JUNGLE PRINIA <i>Prinia sylvatica</i>	A	SA, RG	1	R
ASHY PRINIA <i>Prinia socialis</i>	A	SA, RG, SC, P	2	R
PLAIN PRINIA <i>Prinia inornata</i>	A	RG	1	R
ORIENTAL WHITE-EYE <i>Zosterops palpebrosus</i>	A	S, SA, HM, SC, R, P	2	R
PALE-FOOTED BUSH-WARBLER <i>Cotia pallidipes</i>	W	SA, RG, SC, D	1	AM
BLYTH'S REED-WARBLER <i>Acrocephalus dumetorum</i>	W	P, SA, RG, SC, D	2	AM
BOOTHED WARBLER <i>Hippolais catigata</i>	W	SA, RG, SC, D	2	AM
COMMON TAILORBIRD <i>Orthotomus sutorius</i>	A	SA, RG, SC, D, P	2	R
COMMON CHITTFHAFF <i>Phylloscopus collybita</i>	W	P, SA, RG, SC, D, R	2	AM
DUSKY WARBLER <i>Phylloscopus fuscatus</i>	W	S, SA, HM, R	2	AM
SULPHUR-BELLIED WARBLER <i>Phylloscopus griseolus</i>	W	S, SA, HM, R	2	AM
PALE-RUMPED WARBLER <i>Phylloscopus chloronotus</i>	W	S, HM, SA, R	2	AM
BROOKS'S LEAF-WARBLER <i>Phylloscopus subvirens</i>	W	HM, R	1	AM
YELLOW-BROWED (INORNATE) WARBLER <i>Phylloscopus inornatus</i>	W	S, SA, R	2	AM
GREENISH WARBLER <i>Phylloscopus trochiloides</i>	W	S, SA, HM, R, P, SC	3	AM
TYTLER'S LEAF-WARBLER <i>Phylloscopus tytleri</i>	W	S, HM, SA, R	2	AM
WESTERN CROWNED-WARBLER <i>Phylloscopus occipitalis</i>	W	S, SA, HM, R	1	AM
GOLDEN-SPECTACLED WARBLER <i>Seicercus burkii</i>	W	S, SA, HM, P	1	AM
GREY-HOODED WARBLER <i>Seicercus xanthoschistos</i>	W	S, HM, SA, R	1	AM
WHITE-THROATED LAUGHINGTHRUSH <i>Garrulax albogularis</i>	W	S, HM, R	1	?
WHITE-CRESTED LAUGHINGTHRUSH <i>Garrulax leucolophus</i>	W/S	S, HM	1	M
PUFF-THROATED BABBLER <i>Pellorneum ruficeps</i>	W	S, R	1	LM
RUSTY-CHEEKED SCIMITAR-BABBLER <i>Pomatorhinus erythrogastrus</i>	W	SC, RG	1	R
SCALY-BREASTED WREN-BABBLER <i>Phoenicurus albertus</i>	W	S	1	AM
BLACK-CHINNED BABBLER <i>Stachyris pyrrhops</i>	A	SA, SC	1	R
TAWNY-BELLIED BABBLER <i>Dumetia hyperythra</i>	A	S, SA, SC	1	R
YELLOW-EYED BABBLER <i>Chrysomma sinense</i>	A	SA, SC, P	2	R
COMMON BABBLER <i>Turdoides caudatus</i>	A	S, SA, SC, RC, P	3	R
LARGE GREY BABBLER <i>Turdoides malcolmi</i>	A	SA, SC, P, S	1	R
JUNGLE BABBLER <i>Turdoides striatus</i>	A	S, HM, SA, R, SC, P	2	R
LESSER WHITETHROAT <i>Sylvia communis</i>	W	S, RG, SA, D, P	2	AM

ASHY-CROWNED SPARROW-LARK <i>Eremopterix grisea</i>	A	D	1	LM
SAND LARK <i>Calandrella rayal</i>	A	R, RG, SC	2	R
EURASIAN SKYLARK <i>Alauda arvensis</i>	S	RG	1	M
THICK-BILLED FLOWERPECKER <i>Dicaeum agile</i>	A	SA, R, S, HM	1	R
PALE-BILLED FLOWERPECKER <i>Dicaeum erythrorhynchus</i>	A	P, SA, R, HM	1	R
FIRE-BREASTED FLOWERPECKER <i>Dicaeum ignipectus</i>	W	RG, SA	1	AM
PURPLE SUNBIRD <i>Nectarinia asiatica</i>	A	SA, HM, R, SC	2	R
BLACK-THROATED SUNBIRD <i>Aethopygia saturata</i>	W	SA, HM	1	M
CRIMSON SUNBIRD <i>Aethopygia siparaja</i>	W	SA, HM, SC	2	M
HOUSE SPARROW <i>Passer domesticus</i>	A	D	3	R
EURASIAN TREE SPARROW <i>Passer montanus</i>	W	D	1	?
CHESTNUT-SHOULDERED PETRONIA <i>Petronia xanthocollis</i>	A	S, SA, HM, P	2	R
WHITE WAGTAIL <i>Motacilla alba</i>	W	RG, R	2	M
WHITE-BROWED WAGTAIL <i>Motacilla maderaspatensis</i>	A	RG, R	3	R
YELLOW WAGTAIL <i>Motacilla flava</i>	W	RG, R	1	M
GREY WAGTAIL <i>Motacilla cinerea</i>	W	RG, R	1	AM
PADDYFIELD PIPIT <i>Anthus rufidus</i>	A	RG	1	LM
TAWNY PIPIT <i>Anthus campestris</i>	W	RG	1	M
LONG-BILLED PIPIT <i>Anthus similis</i>	W	SA, HM	1	M
TREE PIPIT <i>Anthus trivialis</i>	W	RG	2	AM
OLIVE-BACKED PIPIT <i>Anthus hodgsoni</i>	W	S, SA, R, SC	2	M
BAYA WEAVER <i>Ploceus philippinus</i>	A	RG	1	R
RED AVADAVAT <i>Amadava amadava</i>	A	SA, P, SC, RG	2	R
WHITE-THROATED SILVERBILL <i>Lonchura malabarica</i>	A	SA, SC, RG	1	R
SCALY-BREASTED MUNIA <i>Lonchura punctulata</i>	A	SA, SC, RG	2	R
BLACK-HEADED MUNIA <i>Lonchura malacca</i>	A	SA, RG, SC	1	R
COMMON ROSEFINCH <i>Carpodacus erythrinus</i>	W	RG, SC	2	M
PINE BUNTING <i>Emberiza leucocephala</i>	W	RG, D	1	AM
CHESTNUT-BREASTED BUNTING <i>Emberiza stewarti</i>	W	RG, SC	2	AM
REED BUNTING <i>Emberiza schoeniclus</i>	W	RG, SC	1	M

Season:

- W = Winter
S = Summer
M = Monsoon
A = All through the year

Habitat:

- A = Aquatic
R = Raus (dried river bed)
G = Grass
S = Sal *Shorea robusta* forest
D = Disturbed (human settlements and cultivation) and open areas
HM = Hills with mixed forests
P = Plantation
SC = Scrubland
RG = Raus and grassy banks
SA = *Shorea* and *Anogeissus* mixed.

Abundance Rating:

- 1 = Birds seen intermittently
2 = Birds seen quite regularly
3 = Birds with very high sightings

Migration Status:

- M = Migrant
R = Resident
LM = Local Migrant
AM = Altitudinal Migrant
? = Status not known