

An Assessment of Avifauna Diversity of Hidkal Reservoir and its Vicinity in Belagavi District, Karnataka, India

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ABSTRACT

We regularly visited Hidkal Reservoir and nearby places in Hukkeri taluk of Belagavi district for bird watching along with students. Survey was made for the period of 24 months from April 2015 to March 2017. During the said survey we have recorded a total of 162 bird species representing 18 orders, 62 families and 125 genera. Among the families Ardeidae represent maximum number (9) of birds followed by Muscicapinae (7), Motacillidae (6) and Columbidae (6). Passeriformes dominating the study area by representing maximum number (80) of bird species followed by Ciconiiformes (15), Charadriiformes (11), Falconiformes (7) and Columbiformes (6). Among the birds recorded Black-headed Ibis and River Tern are the 2 (1.23 %) species belongs to Near Threatened category and 156 (96.29%) bird species belongs to least concerned category of IUCN. Since, the River Tern eggs are predated by Fox and other animal. Some preventive measures / conservation programs are needed to protect the breeding activity of River Tern in the study area.

Key words: Avifauna, Checklist, Hidkal dam, Belagavi, Black-headed Ibis, River Tern

INTRODUCTION

The Indian subcontinent supports for rich avifauna diversity of 1263 bird species (Praveen *et al.*, 2016a); out of them 42% (531) of avifauna represents the Karnataka state (Praveen *et al.*, 2016b). Donar *et al.* (2012) reported 49 bird species from Nippani reservoir and, Patil and Hiragond (2013) made preliminary observation to record the avifauna diversity along the Ghataprabha River in Belagavi district and reported 86 bird species. Since, there is no published report on avifauna diversity of Hidkal reservoir and nearby places. The efforts are made to record the avifauna diversity in and around the Hidkal Reservoir in Belagavi district.

MATERIAL AND METHODS

The study area Hidkal Reservoir and nearby places in Hukkeri (16°8'25"N 74°38'36"E) taluk of Belagavi district was visited once in a fifteen days for bird watching along with students. For documentation of Avifauna we have travelled along the road side, garden, along the edge of reservoir, back water and in nearby places. Survey was made for the period of 24 months from April 2015 to March 2017. Birds were observed by using 10 x 50 X Olympus Binocular during the peak activity of birds between 6.00 to 11.00 AM and 3.00 to 6.00 PM. We made efforts to take bird images by Nikon D5300 camera. Video of the birds is also taken wherever it was possible. Birds sighted by opportunistic method are also listed in checklist. The birds were identified using field guides by Kazmierczak (2000), Grimmett and Inskipp

(2007), Grimmett *et al.* (1998, 2011) and, Rasmussen and Anderton (2012). Only the confirmed bird species are added to checklist. The Common and scientific names of birds are followed after Grimmett *et al.* (2011). The status of threatened category of birds is adopted from IUCN Red List of Threatened Species (2017) and BirdLife International (2018).

RESULTS AND DISCUSSION

During the above said survey we have recorded a total of 162 bird species representing 18 orders, 62 families and 125 genera. Table 1 shows a complete check list of the bird species documented at Hidkal Reservoir and its vicinity. Among the families Ardeidae represent maximum number (9) of bird species followed by Muscicapinae (7), Motacillidae (6) and Columbidae (6). Accipitridae, Scolopacidae, Pycnonotidae, Anatidae and Sturnidae represent 5 species each. Phasianidae, Threskiornithidae, Rallidae, Cuculidae, Hirundinidae, Timaliidae and Nectariniidae consists 4 species each. Phalacrocoracidae, Psittacidae, Picidae, Dicuridae, Corvidae, Alaudidae, Cistcolidae, Turdidae, Dicaeidae and Estrildidae represent 3 species each. Rest of the families represents two or one bird species. The detailed family wise number of bird species recorded is listed in Table 2. In present study Passeriformes represents almost half (80) of the bird species recorded. It is followed by Ciconiiformes (15), Charadriiformes (11), Falconiformes (7) and Columbiformes (6). Anseriformes, Coraciformes, Gruiformes and Piciformes consists 5 species each. Galliformes, Cuculiformes and Pelicaniformes

Table 1. Showing Avifauna Diversity Recorded in Hidkal Reservoir and its Vicinity

S No.	Order/Family	Common Name	Scientific Name	Conservation Status
1. Order GALLIFORMES				
1	Phasianidae	Indian Peafowl	<i>Pavo cristatus</i>	LC
2		Red Spurfowl	<i>Galloperdix spadicea</i>	LC
3		Jungle Bush Quail	<i>Perdica asiatica</i>	LC
4		Common Quail	<i>Coturnix coturnix</i>	LC
2. Order ANSERIFORMES				
5	Anatidae	Indian Spot-billed Duck	<i>Anas poecilorhyncha</i>	LC
6		Lesser Whistling -duck	<i>Dendrocygna javanica</i>	LC
7		Bar-headed Goose	<i>Anser indicus</i>	LC
8		Cotton Pygmy-goose	<i>Nettapus coromandelianus</i>	LC
9		Ruddy shelduck	<i>Tadorna ferruginea</i>	LC
3. Order PODICIPEDIFORMES				
10	Podicipedidae	Little Grebe	<i>Tachybaptus ruficollis</i>	LC
4. Order CICONIIFORMES				
11	Ciconiidae	Woolly-necked Stork	<i>Ciconia episcopus</i>	LC
12		Asian Openbill	<i>Anastomus oscitans</i>	LC
13	Threskiornithidae	Red-naped Ibis	<i>Pseudibis papillosa</i>	
14		Black-headed Ibis	<i>Threskiornis melanocephalus</i>	NT
15		Glossy Ibis	<i>Plegadis falcinellus</i>	LC
16		Eurasian Spoonbill	<i>Platalea leucorodia</i>	LC
17	Ardeidae	Indian Pond Heron	<i>Ardeola grayii</i>	LC
18		Cattle Egret	<i>Bubulcus ibis</i>	LC
19		Intermediate Egret	<i>Ardea intermedia</i>	LC
20		Purple Heron	<i>Ardea purpurea</i>	LC
21		Grey Heron	<i>Ardea cinerea</i>	LC
22		Great Egret	<i>Casmerodius albus</i>	LC
23		Little Egret	<i>Egretta garzetta</i>	LC
24		Striated Heron	<i>Butorides striata</i>	LC
25		Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	LC
5. Order PELICANIFORMES				
26	7. Anhingidae	Darter	<i>Anhinga melanogaster</i>	LC
27	8. Phalacrocoracidae	Little Cormorant	<i>Phalacrocorax niger</i>	LC
28		Great Cormorant	<i>Phalacrocorax carbo</i>	LC
29		Indian Cormorant	<i>Phalacrocorax fuscicollis</i>	LC

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6. Order FALCONIFORMES				
30	9. Falconidae	Common Kestrel	<i>Falco tinnunculus</i>	LC
31		Peregrine Falcon	<i>Falco peregrinus</i>	LC
32	10. Accipitridae	Brahminy Kite	<i>Haliastur indus</i>	LC
33		Black Kite	<i>Milvus migrans</i>	LC
34		Black-winged Kite	<i>Elanus caeruleus</i>	LC
35		White-eyed Buzzard	<i>Butastur teesa</i>	LC
36		Shikra	<i>Accipiter badius</i>	LC
7. Order GRUIFORMES				
37	11. Rallidae	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	LC
38		Eurasian Coot	<i>Fulica atra</i>	LC
39		Purple Swamphen	<i>Porphyrio porphyrio</i>	LC
40		Common Moorhen	<i>Gallinula chloropus</i>	LC
41	12. Gruidae	Demoiselle Crane	<i>Grus /Anthropoides virgo</i>	LC
8. Order CHARADRIIFORMES				
42	13. Burhinidae	Indian Thick-knee	<i>Burhinus indicus</i>	LC
43	14. Recurvirostridae	Black-winged stilt	<i>Himantopus himantopus</i>	LC
44	15. Charadriidae	Red-wattled Lapwing	<i>Vanellus indicus</i>	LC
45		Yellow-wattled Lapwing	<i>Vanellus malabaricus</i>	LC
46	16. Scolopacidae	Common Sandpiper	<i>Actitis hypoleucos</i>	LC
47		Common Redshank	<i>Tringa totanus</i>	LC
48		Common Greenshank	<i>Tringa nebularia</i>	LC
49		Wood Sandpiper	<i>Tringa glareola</i>	LC
50		Little Ringed Plover	<i>Charadrius dubius</i>	LC
51	17. Laridae	River Tern	<i>Sterna aurantia</i>	NT
52	18. Glareolidae	Little Pratincole	<i>Glareola lactea</i>	LC
9. Order COLUMBIFORMES				
53	19. Columbidae	Common Pigeon	<i>Columba livia</i>	LC
54		Spotted Dove	<i>Stigmatopelia chinensis</i>	LC
55		Laughing Dove	<i>Stigmatopelia senegalensis</i>	LC
56		Eurasian Collared Dove	<i>Streptopelia decaocto</i>	LC
57		Red Collared Dove	<i>Streptopelia tranquebarica</i>	LC
58		Yellow-footed Green Pigeon	<i>Treron phoenicopterus</i>	LC
10. Order PSITTACIFORMES				
59	20. Psittacidae	Rose-ringed Parakeet	<i>Psittacula krameri</i>	LC
60		Plum -headed Parakeet	<i>Psittacula cyanocephala</i>	LC
61		Vernal Hanging Parrot	<i>Loriculus vernalis</i>	LC

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11. Order CUCULIFORMES				
62	21. Cuculidae	Asian Koel	<i>Eudynamys scolopaceus</i>	LC
63		Southern Coucal	<i>Centropus parroti</i>	NA
64		Grey-bellied Cuckoo	<i>Cacomantis passerinus</i>	LC
65		Common Hawk Cuckoo	<i>Hierococcyx varius</i>	LC
12. Order STRIGIFORMES				
66	22. Strigidae	Brown Fish Owl	<i>Ketupa zeylonensis</i>	LC
67		Spotted Owlet	<i>Athene brama</i>	LC
13. Order APODIFORMES				
68	23. Apodidae	Asian Palm Swift	<i>Cypsiurus balasiensis</i>	LC
69	24. Hemiprocnidae	Crested Treeswift	<i>Hemiproctne coronata</i>	LC
70		Little Swift	<i>Apus affinis</i>	LC
14. Order UPUPIFORMES				
71	25. Upupidae	Common Hoopoe	<i>Upupa epops</i>	LC
15. Order CORACIFORMES				
72	26. Coraciidae	Indian Roller	<i>Coracias benghalensis</i>	LC
73	27. Alcedinidae	Common Kingfisher	<i>Alcedo atthis</i>	LC
74	28. Halcyonidae	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	LC
75	29. Cerylidae	Pied Kingfisher	<i>Ceryle rudis</i>	LC
76	30. Meropidae	Green Bee-eater	<i>Merops orientalis</i>	LC
16. Order BUCEROTIFORMES				
77	31. Bucerotidae	Indian Grey Hornbill	<i>Ocyrceros birostris</i>	LC
17. Order PICIFORMES				
78	32. Ramphastidae	White-cheeked Barbet	<i>Megalaima viridis</i>	LC
79		Coppersmith Barbet	<i>Megalaima haemacephala</i>	LC
80	33. Picidae	Greater Goldenback	<i>Chrysocolaptes lucidus</i>	LC
81		Heart-spotted Wood-pecker	<i>Hemicircus canente</i>	LC
82		Yellow-crowned Wood-pecker	<i>Dendrocopos mahrattensis</i>	LC
18. Order PASSERIFORMES				
83	34. Aegithinidae	Common Iora	<i>Aegithina tiphia</i>	LC
84	35. Campephagidae	Black-headed Cuckoo-shrike	<i>Coracina melanoptera</i>	LC
85		Small Minivet	<i>Pericrocotus cinnamomeus</i>	LC
86	36. Laniidae	Common Woodshrike	<i>Tephrodornis pondicerianus</i>	LC
87		Long-tailed Shrike	<i>Lanius schach</i>	LC
88	37. Dicruridae	Black Drongo	<i>Dicrurus macrocercus</i>	LC
89		White-bellied Drongo	<i>Dicrurus caerulescens</i>	LC
90		Ashy Drongo	<i>Dicrurus leucophaeus</i>	LC
91	38. Oriolidae	Indian Golden Oriole	<i>Oriolus kundoo</i>	LC
92		Black-hooded Oriole	<i>Oriolus xanthornus</i>	LC
93	39. Rhipiduridae	White-browed Fantail	<i>Rhipidura aureola</i>	LC
94	40. Monarchidae	Asian Paradise-flycatcher	<i>Terpsiphone paradisi</i>	LC
95	41. Corvidae	Rufous Treepie	<i>Dendrocitta vagabunda</i>	LC

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96		House Crow	<i>Corvus splendens</i>	LC
97		Indian Jungle Crow	<i>Corvus culminatus</i>	NA
98	42. Paridae	Great Tit	<i>Parus major</i>	LC
99		Indian Yellow Tit	<i>Parus aplonotus</i>	NA
100	43. Hirundinidae	Dusky Crag Martin	<i>Ptyonoprogne concolor</i>	LC
101		Red-rumped Swallow	<i>Cecropis daurica</i>	LC
102		Barn Swallow	<i>Hirundo rustica</i>	LC
103		Wire-tailed Swallow	<i>Hirundo smithii</i>	LC
104	44. Alaudidae	Malabar Lark	<i>Galerida malabarica</i>	LC
105		Ashy-crowned Sparrow Lark	<i>Eremopterix griseus</i>	LC
106		Oriental Skylark	<i>Alauda gulgula</i>	LC
107	45. Pycnonotidae	Red-vented Bulbul	<i>Pycnonotus cafer</i>	LC
108		Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	LC
109		White-browed Bulbul	<i>Pycnonotus luteolus</i>	LC
110		Yellow-browed Bulbul	<i>Acritillas indica</i>	LC
111		Square-tailed Bulbul	<i>Hypsipetes ganeesa</i>	LC
112	46. Cistcolidae	Ashy Prinia	<i>Prinia socialis</i>	LC
113		Grey-breasted Prinia	<i>Prinia hodgsonii</i>	LC
114		Plain Prinia	<i>Prinia inornata</i>	LC
115	47. Sylviidae	Greenish Warbler	<i>Phylloscopus trochiloides</i>	LC
116		Common Tailorbird	<i>Orthotomus sutorius</i>	LC
117	48. Timaliidae	Yellow-eyed Babbler	<i>Chrysomma sinense</i>	LC
118		Jungle Babbler	<i>Turdoides striata somervillei</i>	NA
119		Indian Scimitar Babbler	<i>Pomatorhinus horsfieldii</i>	LC
120		Puff-throated Babbler	<i>Pellorneum ruficeps</i>	LC
121	49. Leiothrichidae	Yellow-billed Babbler	<i>Turdoides affinis</i>	LC
122	50. Zosteropidae	Oriental White-eye	<i>Zosterops palpebrosus</i>	LC
123	51. Sturnidae	Brahminy Starling	<i>Sturnia pagodarum</i>	LC
124		Chestnut-tailed Starling	<i>Sturnia malabarica</i>	LC
125		Common Myna	<i>Acridotheres tristis</i>	LC
126		Jungle Myna	<i>Acridotheres fuscus</i>	LC
127		Rosy Starling	<i>Pastor roseus</i>	LC
128	52. Turdidae	Indian Blackbird	<i>Turdus simillimus</i>	LC
129		Orange-headed Thrush	<i>Zoothera citrina cyanotus</i>	LC
130		Blue-capped Rock Thrush	<i>Monticola cinclorhynchus</i>	LC
131	53. Muscicapinae	Oriental Magpie Robin	<i>Copsychus saularis</i>	LC
132		Indian Robin	<i>Saxicoloides fulicatus</i>	LC
133		Pied Bushchat	<i>Saxicola caprata</i>	LC
134		Common Stonechat	<i>Saxicola torquatus</i>	LC
135		Verditer Flycatcher	<i>Eumyias thalassinus</i>	LC
136		Red-breasted Flycatcher	<i>Ficedula parva</i>	LC
137		Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	LC
138	54. Irenidae	Golden-fronted Leafbird	<i>Chloropsis aurifrons</i>	LC
139		Jerdon's Leafbird	<i>Chloropsis jerdoni</i>	LC
140	55. Dicaeidae	Thick-billed Flowerpecker	<i>Dicaeum agile</i>	LC

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141		Nilgiri Flowerpecker	<i>Dicaeum concolor</i>	LC
142		Pale-billed Flowerpecker	<i>Dicaeum erythrorhynchos</i>	LC
143	56. Nectariniidae	Purple-rumped Sunbird	<i>Leptocoma zeylonica</i>	LC
144		Crimson-backed Sunbird	<i>Leptocoma minima</i>	LC
145		Loten's Sunbird	<i>Cinnyris lotenius</i>	LC
146		Purple Sunbird	<i>Cinnyris asiaticus</i>	LC
147	57. Passeridae	House Sparrow	<i>Passer domesticus</i>	LC
148		Chestnut-shouldered Petronia	<i>Gymnoris xanthocollis</i>	LC
149	58. Ploceidae	Baya Weaver	<i>Ploceus philippinus</i>	LC
150		Indian Silverbill	<i>Euodice malabarica</i>	LC
151	59. Estrildidae	Red Avadavat	<i>Amandava amandava</i>	LC
152		White-rumped Munia	<i>Lonchura striata</i>	LC
153		Scaly-breasted Munia	<i>Lonchura punctulata</i>	LC
154	60. Motacillidae	Grey Wagtail	<i>Motacilla cinerea</i>	LC
155		White Wagtail	<i>Motacilla alba</i>	LC
156		White-browed Wagtail	<i>Motacilla maderaspatensis</i>	LC
157		Yellow Wagtail	<i>Motacilla flava</i>	LC
158		Citrine Wagtail	<i>Motacilla citreola</i>	LC
159		Paddyfield Pipit	<i>Anthus rufulus</i>	LC
160	61. Fringillidae	Common Rosefinch	<i>Carpodacus erythrinus</i>	LC
161	62. Emberizidae	Black-headed Bunting	<i>Emberiza melanocephala</i>	LC
162		Red-headed Bunting	<i>Emberiza bruniceps</i>	LC

Abbreviations used: LC- Least Concerned, NT- Near Threatened, NA- IUCN assessment is not available

represent 4 species each. Psittaciformes and Apodiformes consists 3 species each. Strigiformes represent 2 species. The least number (1) of bird species are represented by order Podicipediformes, Upupiformies and Bucerotiformes. The order wise number of bird species recorded is listed in Table 3. Images 1 to 51 show some of the bird images taken during the field visits.

During winter season we have sighted the Bar-headed Goose in a 2-3 flocks of 50-200 birds. We also observed these birds in association with Red-naped Ibis. We have sighted thousands of River terns in 2-3 flocks. In the first week of March to our surprise we sighted two gregarious flocks of Demoiselle Crane in back water of Hidkal Reservoir. They were around 50 in 2 flocks. Later we sighted these birds in successive field trips up to the May month. Among the birds recorded, Black-headed Ibis *Threskiornis melanocephalus* and River Tern *Sterna aurantia* are the 2 (1.23 %) species belongs to Near Threatened category of IUCN. For Southern Coucal *Centropus parroti*, Indian Jungle Crow *Corvus culminatus*,

Indian Yellow Tit *Parus aplonotus* and Jungle Babbler *Turdoides striata somervillei* IUCN assessment is not available (4 species, 2.47 %). Rest of the 156 (96.29%) bird species belongs to least concerned category of IUCN (Figure 1).

The number of bird species recorded in study area amounts to around 30% of bird species reported from Karnataka state and around 12% of the birds species listed in Indian subcontinent. The present study reveals that, Passeriformes dominating the study area. Since, the study area consists of several water bodies, gardens, irrigated lands and several large fruiting trees which supports for insectivorous, granivorous, frugivorous and wetland birds. It also supports the breeding activity of certain birds like River tern. The discussions with local people learnt that, the eggs of River tern are predated by snakes, fox and other animals. Since, River tern belongs to Near Threatened category of IUCN, some preventive measures or separate conservation programs should be taken up to protect the eggs of River Tern and support its breeding activity in the study area.

Table 2. Showing family wise number of bird species recorded in Hidkal Reservoir and its Vicinity

Sl. No.	Name of the Family	Number of bird species recorded	Sl. No.	Name of the Family	Number of bird species recorded
1	Podicipedidae	1	32	Sylviidae	2
2	Anhingidae	1	33	Irenidae	2
3	Burhinidae	1	34	Passeridae	2
4	Recurvirostridae	1	35	Ploceidae	2
5	Laridae	1	36	Emberizidae	2
6	Apodidae	1	37	Phalacrocoracidae	3
7	Upupidae	1	38	Psittacidae	3
8	Coraciidae	1	39	Picidae	3
9	Alcedinidae	1	40	Dicruridae	3
10	Halcyonidae	1	41	Corvidae	3
11	Cerylidae	1	42	Alaudidae	3
12	Meropidae	1	43	Cistcolidae	3
13	Bucerotidae	1	44	Turdidae	3
14	Aegithinidae	1	45	Dicaeidae	3
15	Rhipiduridae	1	46	Estrildidae	3
16	Monarchidae	1	47	Phasianidae	4
17	Zosteropidae	1	48	Threskiornithidae	4
18	Fringillidae	1	49	Rallidae	4
19	Gruidae	1	50	Cuculidae	4
20	Glareolidae	1	51	Hirundinidae	4
21	Leiothrichidae	1	52	Timaliidae	4
22	Ciconiidae	2	53	Nectariniidae	4
23	Falconidae	2	54	Anatidae	5
24	Charadriidae	2	55	Accipitridae	5
25	Strigidae	2	56	Scolopacidae	5
26	Hemiprocnidae	2	57	Pycnonotidae	5
27	Ramphastidae	2	58	Sturnidae	5
28	Campephagidae	2	59	Columbidae	6
29	Laniidae	2	60	Motacillidae	6
30	Oriolidae	2	61	Muscicapinae	7
31	Paridae	2	62	Ardeidae	9
Total Number of bird species				162	

Table 3. Showing order wise number of bird species recorded in Hidkal Reservoir and its Vicinity

Sl. No.	Name of the Order	Number of bird species recorded
1	Podicipediformes	1
2	Bucerotiformes	1
3	Upupiformes	1
4	Strigiformes	2
5	Apodiformes	3
6	Psittaciformes	3
7	Cuculiformes	4
8	Galliformes	4
9	Pelicaniformes	4
10	Anseriformes	5
11	Coraciiformes	5
12	Gruiformes	5
13	Piciformes	5
14	Columbiformes	6
15	Falconiformes	7
16	Charadriiformes	11
17	Ciconiiformes	15
18	Passeriformes	80
Total number of bird species		162

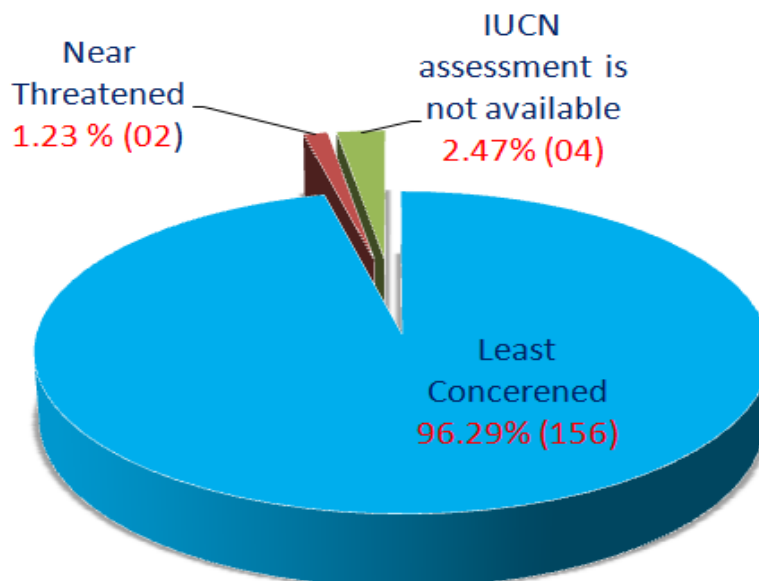


Figure 1. Shows Conservation Status of Birds Recorded in Hidkal Reservoir and its Vicinity

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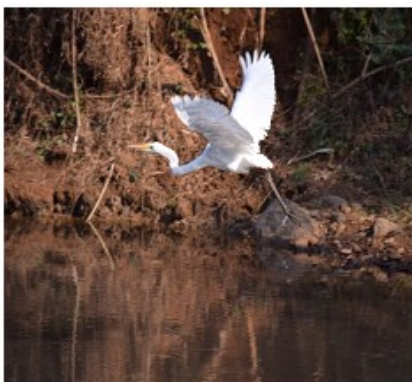
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Plate 1-51.



1. Black-headed Ibis



2. Great Egret



3. Little Egret



4. Intermediate Egret



5. Malabar Lark



6. Black Kite



7. Brahminy Kite



8. Bar-headed Goose



9. Indian Spot-billed Duck



10. White Wagtail



11. Grey Wagtail



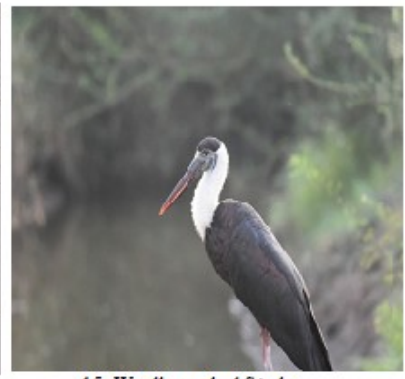
12. Green Bee-eater



13. Jungle Myna



14. Black-winged stilt



15. Woolly-necked Stork



16. Black-headed Cuckooshrike



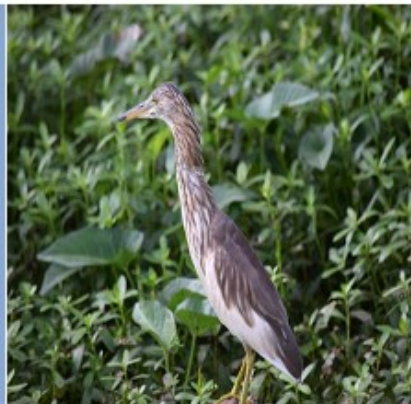
17. Spotted Dove



18. Long-tailed Shrike



19. Pied Bushchat



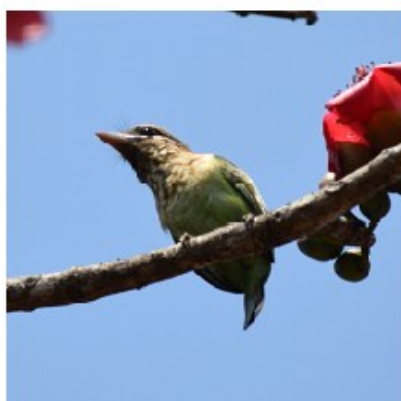
20. Indian Pond Heron



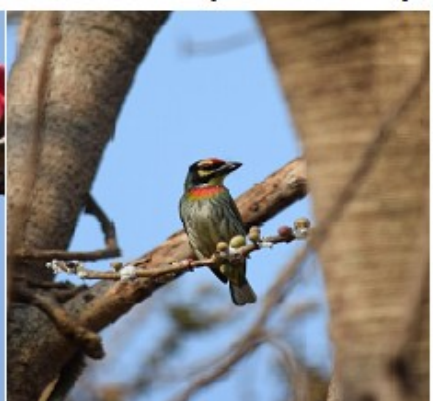
21. Asian Paradise-flycatcher Rufous Morph



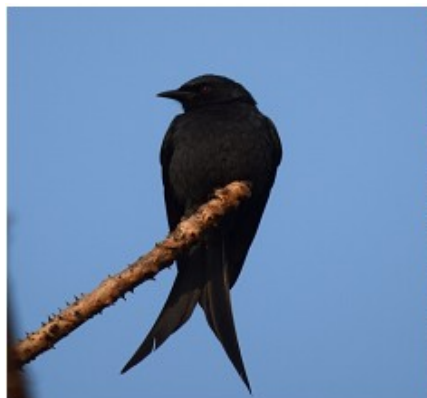
22. Asian Paradise-flycatcher White Morph



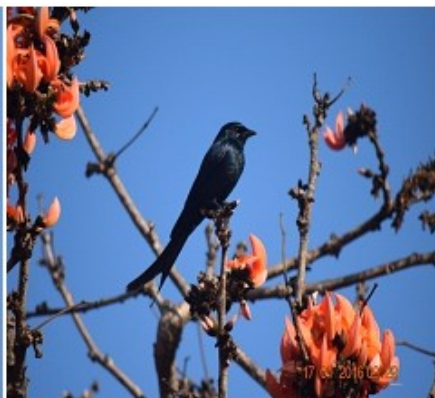
23. White-cheeked Barbets



24. Coppersmith Barbet



25. Ashy Drongo



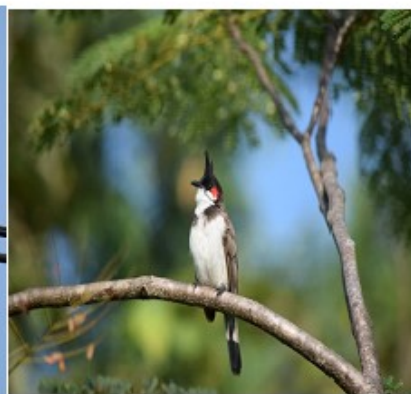
26. Black Drongo



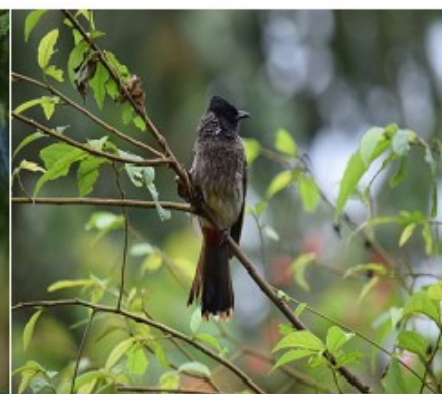
27. Common Hoopoe



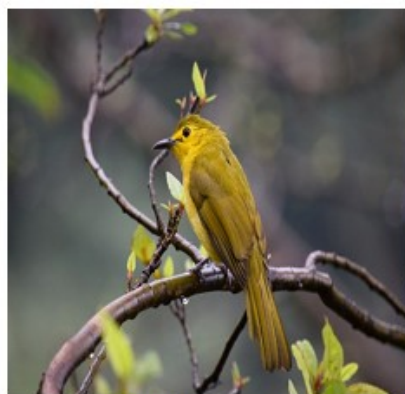
28. Wire-tailed Swallow



29. Red-whiskered Bulbul



30. Red-vented Bulbul



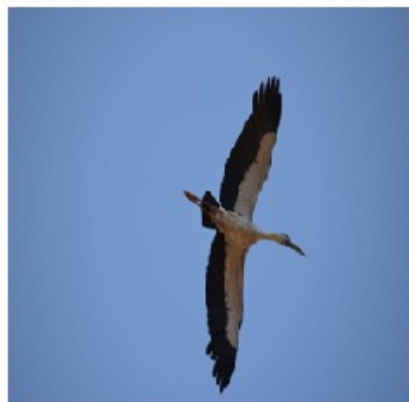
31. Yellow-browed Bulbul



32. White-browed Bulbul



33. Asian open bill and Black headed Ibis



34. Asian open bill in Flight



35. Indian Golden Oriole



36. Rufous Treepie



37. Common Iora



38. Ashy Prinia



39. Shikra



40. Brahminy Starling



41. Purple Sunbird



42. Purple rumped sunbird



43. White browed faintail



44. Baya viewer



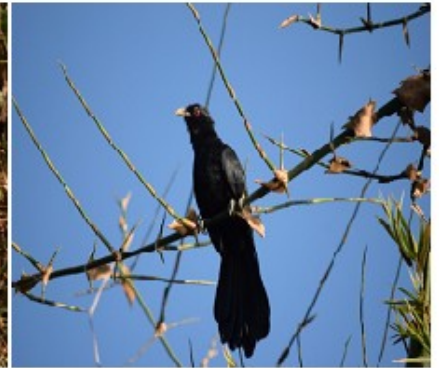
45. Puff-throated Babbler



46. Jungle Babbler



47. Asian Koel female



48. Asian Koel Male



49. Small Minivet Female



50. Small Minivet Male



51. Demoiselle Crane