

Records of Birds under Vulnerable and Near Threatened Category from the different Habitat around Yavatmal, Central India

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Abstract: Based on five years an avian study of selected area has helps to make a bird list of Near Threatened (NT) & Vulnerable (VU) category according to ENVIS Centre of Avian Ecology. Fifteen species were sighted during observations of different ecological habitat from which twelve birds are NT and three are VU. Out of fifteen ten are waders, three-raptors and two-passerine. It was noticed that Grey Headed Fish Eagle, Red Headed Falcon, European Roller, Indian Skimmer sighted only one time but Ferruginous Duck, Greater Thick-Knee, Pallid Harrier were two time. Curlew Sandpiper has sighted constantly three years and remaining all the species are observed every year during study period. This study will continue and in future, the number goes on increasing compare to the list of NT and VU species published by ENVIS.

Keyword- Near-Threatened species, Vulnerable species, Selected habitat, Different Habitat, Around Yavatmal.

1. Introduction

A taxon is Near Threatened when it has been evaluated against the criteria but does not qualify for Critically Endangered, Endangered or Vulnerable now, but is close to qualifying for or is likely to qualify for a threatened category in the near future. A taxon is Vulnerable when the best available evidence indicates that it meets any of the criteria A to E for Vulnerable (see Section V), and it is therefore considered to be facing a high risk of extinction in the wild. The present paper based on survey and observational recorded of birds under these two categories from the selected area around Yavatmal city.

2. Materials and Methods

Study area includes seven fresh water resources- Nilona, Borgaon, Jamwadi, Arjuna, Bembla, Echori and Mandev.

Four forest ranges- Umerda, Jam, Echori, Babhulgaon and seven grassland- Chausala, Berbada, Bahiram, Nilona, Echori, Bembla and Borgaon. Periodical visit were arranged to every habitat for last five years from March 2012 to December 2016. Nikon binocular 8X42 ranges was used for observation of habitat and Nikon digital camera (Coolpix) has been used to take visual records.

3. Results and Discussion

Study on NT and VU diversity have shows satisfactory results. Out of three hundred and seven visual records of birds from the selected habitat twelve Near-Threatened and three Vulnerable species of birds were identified and successfully take a visual records.(Table-1)

The list is as follows-

Table 1: Classification of birds (NT-Near Threatened and VU- Vulnerable)

S.No.	Common Name	Scientific Name	Family	Category
1	Curlew Sandpiper	Calidris ferruginea	Scolopacidae	NT
2	Oriental Darter	Anhinga melanogaster	Anhingidae	NT
3	Painted Stork	Mycteria leucocephala	Ciconiidae	NT
4	Black Headed Ibis	Threskiornis melanocephalus	Threskiornithidae	NT
5	Ferruginous Duck	Aythya nyroca	Anatidae	NT
6	Great Thick-Knee	Esacus recurvirostris	Burhinidae	NT
7	River Tern	Sterna aurantia	Laridae	NT
8	Asian Woollyneck Stork	Ciconia episcopus	Ciconiidae	VU
9	Indian Skimmer	Rynchops albicollis	Laridae	VU
10	Common Pochard	Aythya ferina	Anatidae	VU
11	Grey Headed Fish Eagle	Ichthyophaga ichthyaetus	Accipitridae	NT
12	Red headed Falcon	Falco chicquera	Falconidae	NT
13	Pallid Harrier	Circus macrourus	Accipitridae	NT
14	Alexandrine Parakeet	Psittacula eupatria	Psittacidae	NT
15	European Roller	Coracias garrulous	Coraciidae	NT

It was noticed that some species like Grey Headed Fish Eagle, Red headed Falcon, European Roller and Indian Skimmer sighted only ones during study period. Ferruginous Duck, Greater Thick-Knee, Pallid Harrier were sighted twice

but Curlew Sandpiper thrice in the five years. Remaining all the species have routinely observed from the areas. (Table-2)

Table 2: Details of species sighted during the study period (N-No and Y-Yes)

Study Period (Years)	Species Sighted Number of Times														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2012	N	Y	Y	Y	N	N	Y	Y	N	Y	N	N	N	Y	N
2013	N	Y	Y	Y	Y	N	Y	Y	N	Y	Y	N	Y	Y	N
2014	Y	Y	Y	Y	N	N	Y	Y	N	Y	N	N	N	Y	N
2015	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	N	N	Y	Y
2016	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	Y	Y	Y	N

The result indicates that Yavatmal city has surrounded by the variety of habitats also rich in ecological status and supports the birds to fulfill their demands so the diversity of bird species visited area according to their niche. Continue observations help to find the species who are facing the problems and stands under various category. Routine visits are made possible to records unexpected birds if they are visited the area. The search is continue and confident that list of birds under various category will be sighted in the area.

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