



DIVERSITY OF AVI FAUNA IN AND AROUND NALESHWAR (MOHADI) DAM IN TA-SINDEWAHI DISTRICT CHANDRAPUR (M.S.)

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ABSTRACT: Naleshwar (mohadi) Dam observed huge diversity of avian fauna which is located near Naleshwar (Mohadi) village in Sindewahi tehsil of Chandrapur district (M.S.). During the study of avian fauna total 36 species of birds were identified from all the three studied site which belongs to 27 different family and 10 different order. From observed species there is no threaten species found. Monsoon visitor species as 01, winter visitor species 01, summer visitor species 01, common species as 33. Bird diversity is more observed in Naleshwar (Mohadi) Dam due to more vegetation and insect diversity found in studied lake site. Only one migratory species occurs during study period.

INTRODUCTION :

Birds play a key role in ecosystem. Polluted water affects aquatic vegetation, composition and food resources that influences population, diversity, and distribution of Birds (Wagh et al. 2020). The water birds obtain higher net energy intake in shallow water depth than deep water. Birds act as mobile link that transfer energy both within and among ecosystem that are crucial to maintain the balance of ecosystem. (Lundberg and Moberg, 2003). There are 44 species of birds found in Satara tukum lake and 33 species were identified from Satara Bhosale Lake and its adjoining areas belonging to 15 different families. (Pimpalshende and Sitre, 2020).

MATERIALS AND METHOD:

The observation and birds record were carried out from January 2020 to December 2021 in and around Naleshwar (Mohadi) Dam in sindewahi. It was observed with the help of binocular with 20 x zoom lens and their identification was done by Salim Ali (2002) and various standard literature. Their colored

photograph was taken with the help of Canon camera with 18 x pixel.

STUDY AREA:

Naleshwar (mohadi) Dam is located at about 32 km away from Mul tahsil and 13 km away from Sindewahi tehsil and 47 km away from head quarter of Chandrapur district. Naleshwar (mohadi) dam is surrounded by Mul taluka towards South, Saoli Taluka Towards East, Chimur Taluka towards North. It is located at a longitude 20014°00" and latitude 79034°45" and 229 above mean sea level. The length of reservoir is 442.00 hectare. Water storage capacity is 10.930 million cubic meters. It is main harbor area to supply water in and around villages for other purposes.

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Table No. 1: Birds diversity in Naleshwar Mohadi Dam.

Sr. No.	Order	Family	Common Name	Scientific Name	Residential Status	Food Guild
1.	Galliformes	Phasianidae	Common quail	Coturnix coturnix	R	Granivorous
2.	Anseriformes	Anatidae	Spot-billed duck	Anas poecilarhyncha	R	Omnivorous
3.	Anseriformes	Anatidae	Common teal	Anas crecca	R	Omnivorous
4.	Bucerotiformes	Bucerotidae	Brown headed barbet	Megalaima virens	R	Frugivorous
5.	Coraciiformes	Coraciidae	Indian roller	Coracias benghalensis	R	Insectivorous
6.	Coraciiformes	Alcedimidae	White-breasted Kingfisher	Halcyon smyrnesnsis	R	Carnivorous
7.	Coraciiformes	Meropidae	Green bee-eater	Merops orientalis	R	Insectivorous
8.	Cuculiformes	Cuculidae	Asian koel	Eudynamys scolopaceus	R	Omnivorous
9.	Psittaciformes	Psittaculidae	Rose-ringed Parakeet	Psittacula kraneria	R	Frugivorous
10.	Columbiformes	Columbidae	Rock pigeon	Columba livia	R	Granivorous
11.	Columbiformes	Columbidae	Spotted dove	Stigmatopelia chinesis	R	Granivorous
12.	Gruiformes	Rallidae	White breasted water hen	Amauornis phoenicurus	R	<i>Omnivorous</i>
13.	Gruiformes	Rallidae	Common moorhen	Gallinule chloropus	R	<i>Omnivorous</i>
14.	charadriiformes	Seolopacidae	Common sandpiper	Actinis hypoleucos	MV	<i>Omnivorous</i>
15.	charadriiformes	Jacanidae	Pheasant tailed jacana	Hydrphasianus chinargus	R	<i>Omnivorous</i>
16.	Passeriformes	Laniidae	Bay backed shrike	Lanius Vittatus	R	Insectivorous
17.	Passeriformes	Corvidae	House crow	Corvus splendens	R	Omnivorous
18.	Passeriformes	Dicruridae	Black drongo	Dicrurus macrocercus	R	Insectivorous
19.	Passeriformes	Muscicapidae	Indian robin	Saxicoloides fulicatus	R	Insectivorous
20.	Passeriformes	Sturnidae	Brahminy starling	Sturnia pagodarum	R	Omnivorous
21.	Passeriformes	Sturnidae	Common myna	Acridotheres tristis	R	Omnivorous
22.	Passeriformes	Hirundinidae	Red rumped swallow	Cecropis daurica	R	Insectivorous
23.	Passeriformes	Pycnonotidae	Red vented bulbul	Pycnonotus cafer	R	Omnivorous

24	Passeriformes	Cisticolidae	Ashy prinia	Prinia socialis	R	Insectivorous
25	Passeriformes	Sylviidae	Jungle babbler	Turdoides striatus	R	Insectivorous
26	Passeriformes	Sylviidae	Common babbler	Turdoides caudate	R	Insectivorous
27	Passeriformes	Alaudidae	Indian bush lark	Mirafra erythroptera	R	Granivorous
28	Passeriformes	Nectariniidae	Purple sunbird	Cinnyris asiaticus	R	Nectivorous
29	Passeriformes	Passeridae	House sparrow	Passer domesticus	R	Granivorous
30	Passeriformes	Motacillidae	White wagtail	Motacilla alba	WV	Insectivorous
31	Passeriformes	Motacillidae	Yellow wagtail	Motacilla flava	SV	Insectivorous
32.	Passeriformes	Motacillidae	Paddyfield pipit	Anthus rufulus	R	Insectivorous
33.	Passeriformes	Ploceidae	Baya weaver	Ploceus philippinus	R	Granivorous
34	Passeriformes	Ploceidae	Scaly breasted munia	Lonchura punctulata	R	Granivorous
35.	Passeriformes	Ploceidae	Black headed munia	Lonchura Malacca	R	Granivorous
36.	Passeriformes	Emberizidae	Crested bunting	Melophus lathami	R	Granivorous

R-Residential, WV- winter visitor, SV-summer visitor, MV- Monsoon visitor

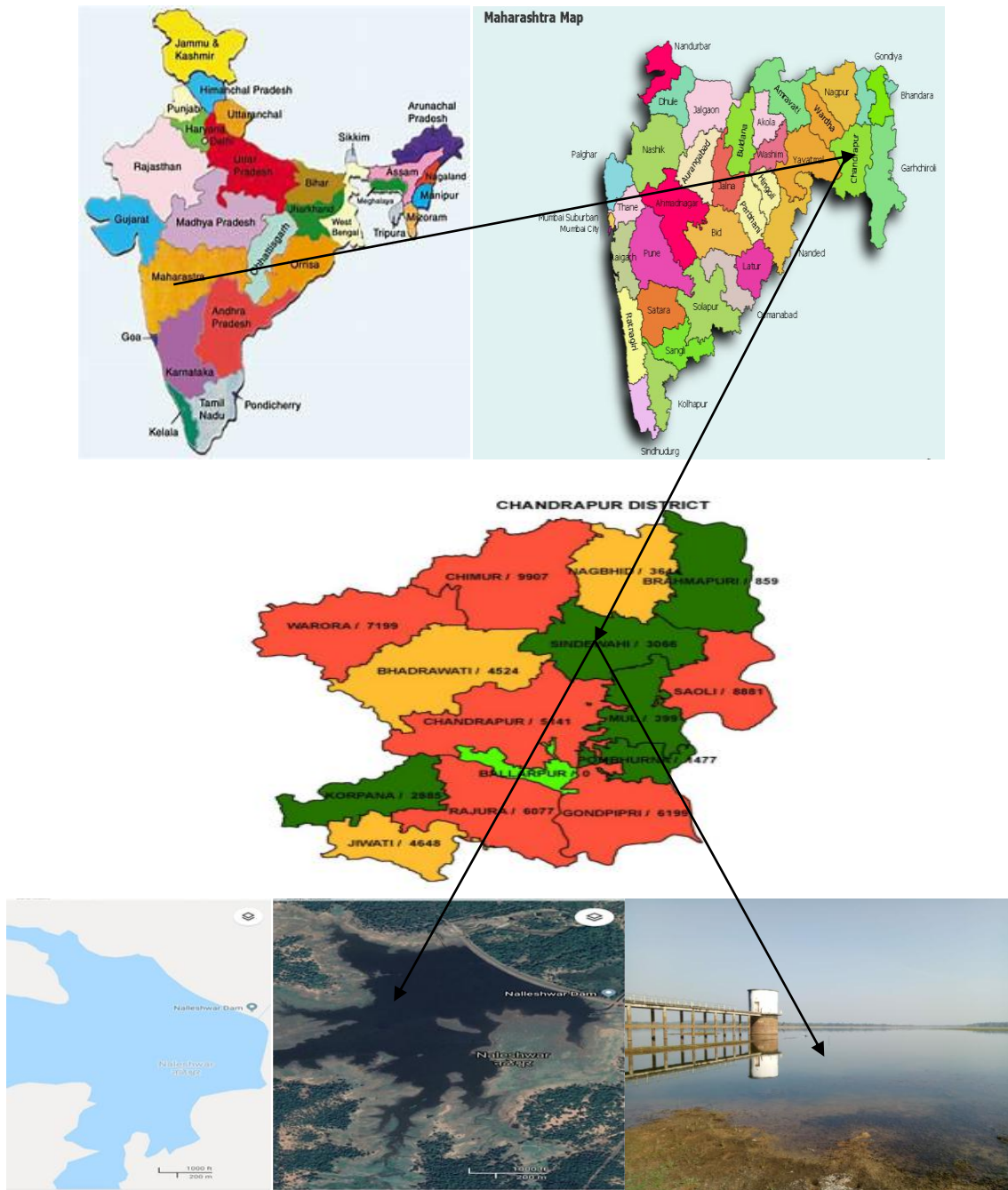
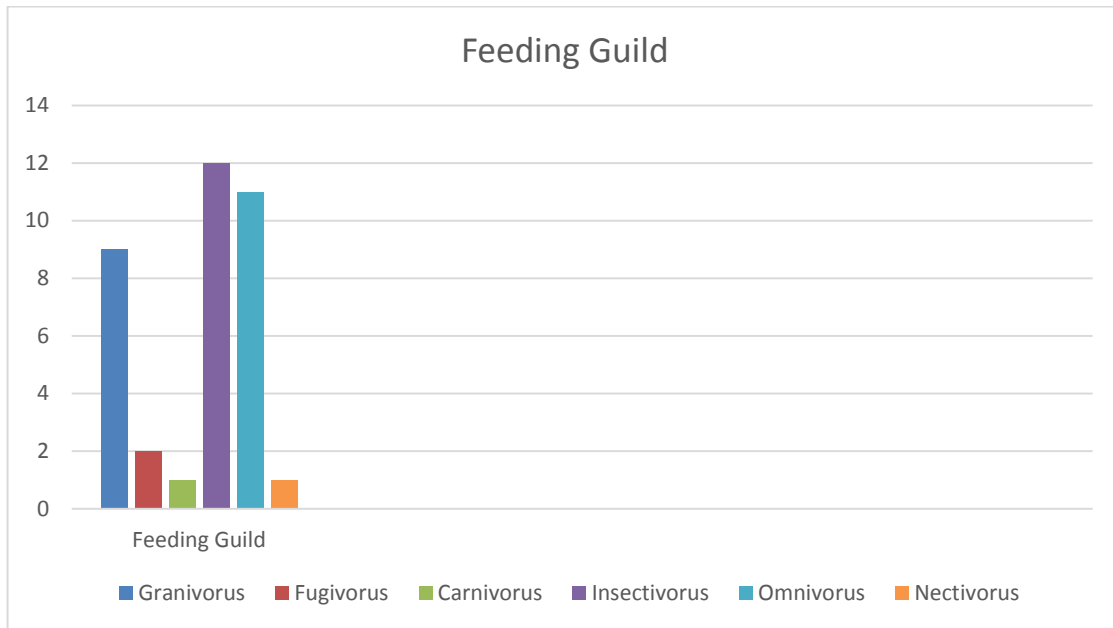
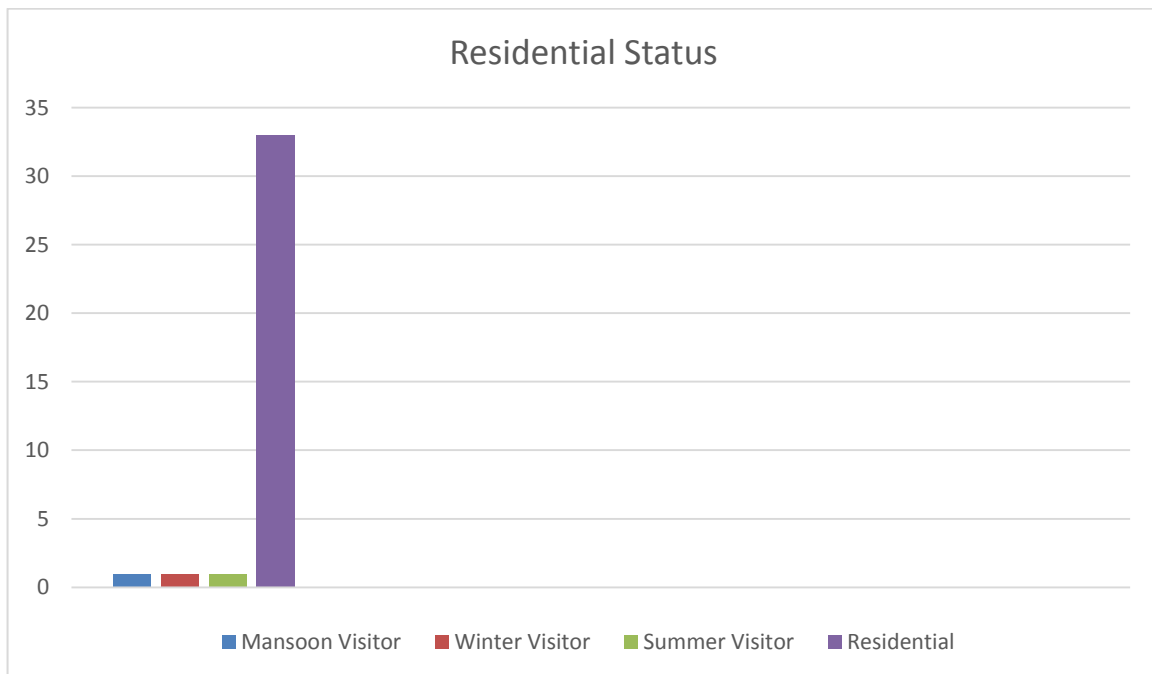


Fig.1. Satellite view of Naleshwar Dam

Fig.2. Real image of Naleshwar Dam



Graph :1 Feeding Guild of Birds



Graph: 2 Residential Status of Birds