



### RESEARCH ARTICLE

## AN ACCOUNT OF AVIFAUNA OF A TRANSITIONAL ZONE BETWEEN A TOWNSHIP AND A LARGE RIVER BASIN IN NORTH BENGAL

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#### Abstract

A survey was conducted covering the area lying between a large river bed and the edges of a township in the Jalpaiguri district of North Bengal. A total of 73 species of birds were recorded under 53 genera and 17 orders. The highest number of species belonged to order Passeriformes. Five species reported were under 'Near-Threatened' category. Of the orders recorded, relative diversity index was observed to be highest for Passeriformes, followed by Anseriformes and Coraciiformes, while at family level, the same was maximum for Anatidae.

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#### Introduction:-

Study of avifauna is of high importance in view of ecological assessment of various habitats, it might be assessed as the ecological indicator in the purview of ecosystem health assessment (Bilgrami, 1995; Jorgensen et al., 2010, Koli, 2014). Checklist of birds of a region is of high importance in biodiversity assessment (Charavarthy and Sridhar, 1995; Roy et al., 2011). A considerable percentage of bird species of the world is also found in India, while the same is true when West Bengal as a state of India is considered (Lepage, 2022).

Jalpaiguri as a district is very rich in biodiversity, more than 45% of its area (estimation made on undivided district) has forest which also includes three national parks and one wildlife sanctuary (Das, 2020), besides, five major and several other minor rivers, lakes, ponds, wetlands have collectively contributed in its ecological capacity to harbour a huge floral and faunal diversity (Soil and land use survey of India, 2011; District survey report, 2020; Moitra, 2022).

Though a considerable number of bird species have been recorded from various parts of the district, it is however evident that the distribution or aggregation of species cannot be uniform. There is a dearth of literature on the available species along the eastern edge of Jalpaiguri township which is bordered with the river basin of Teesta, sporadically having areas covered with large trees, having grassland, agricultural lands, water bodies, sandy areas and a dam adjacently having a well-populated area, yet with enough greenery towards the town. Current study therefore, was taken up to address the avifaunal diversity of this area.

#### Study Area:

Area surveyed (from south to north:  $26^{\circ} 33'45.39''$  &  $26^{\circ} 30'36.91''$  N Latitude; from west to east: western-most point  $88^{\circ} 43'50.14''$  & eastern-most point  $88^{\circ} 45'04.11''$  E Longitude) is located at Jalpaiguri District ( $26^{\circ} 15'47''$  &  $26^{\circ} 59'34''$  N Latitude,  $88^{\circ} 23'2''$  &  $89^{\circ} 7'30''$  E Longitude) along the western side of river Teesta. The district falls

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under the monsoon climatic zone of south-east Asia with the monthly temperature ranging from 29°C to 14°C. Mean relative humidity is 82% while, the annual average rainfall is 3360 mm (District Survey Report, 2020).

An approximate area of 4.58 km<sup>2</sup>, spread over a length of 5.5km, ranging from national highway 27 at north to spar number 3 at south, was surveyed during the span from November, 2021 to April, 2022. Distance covered from the dam run along the river basin was from 500 m to 1.79 km towards the river while, towards township, it ranged approximately from 100 to 300 m.

### Materials And Methods:-

The area selected was surveyed during the span from November, 2021 to April, 2022, observation and recording were conducted mostly during the morning or afternoon or evening of a day. A binocular (Nikon) was used for watching and the identification was done using appropriate resources (Ali, 2002; Grimmett et al., 2011). Relative diversity index (RDi) was calculated following Torre-Cuadros et al. (2007).

### Results and Discussion:-

A total of seventy-three species were recorded which belonged to fifty-eight genera, thirty-five families and seventeen orders. Order Passeriformes was represented with the highest number of species (22, Tables 1, 4).

Of seventy-three species reported, only five species were under the category of 'Near Threatened' and two were 'Vulnerable' as per the list of IUCN (Table 4).

Of the orders, Passeriformes dominated the area with eighteen genera, twenty-two species and having the RDi 30.14. Order Anseriformes and Coraciiformes, both represented by eight species under six genera and having RDi 10.96, were the second dominant group after Passeriformes. Order Pelecaniformes followed the above-said groups with an RDi 8.22. Further, orders like Cuculiformes, Piciformes and Columbiformes, all with RDi greater than 5, also exhibited relatively prominent presence (Table 2).

When considered family, Anatidae had the highest relative diversity (RDi 10.96) followed by family Ardeidae (RDi 8.22). Other prominent families included Alcedinidae, Cuculidae Columbidae and Sturnidae, all of which had RDi more than 5.

Number of bird species on earth is estimated to 18043 (Barrowclough et al., 2016) while, the registered species of bird of the world was reported to be 10021 (Dickson and Remsen, 2013, 2014). A considerable share of the species available around the globe is also found in India (13.66%) and a large part of bird species found in entire India (1369) is also found in West Bengal (1011) (Lepage, 2022). Of the avian species encountered all over the West Bengal, 76.36% are also found at Jalpaiguri where number of recorded species is 772 (Lepage, 2022). Topographic diversity, large forest covered areas, rivers and water bodies collectively have resulted in such remarkable avifaunal richness of this region. Current area surveyed, covering a meagre 0.13% area of the district, was estimated to harbour 9.46% of the species reported from the region.

**Table 1:-** Summary of taxonomic data. (N= Number of species).

Category		N	Category		N
			Order:	Strigiformes	
Order	Pelecaniformes		Family:	Tytonidae	1
Family	Ardeidae	6		Strigidae	2
Number of genera		4	Number of genera		3
Number of species		6	Number of species		3
Order	Ciconiiformes		Order:	Columbiformes	
Family	Ciconiidae	2	Family:	Columbidae	4
Number of genera		2	Number of genera		3
Number of species		2	Number of species		4
Order	Podicipediformes		Order:	Charadriiformes	
Family	Podicipedidae	1	Family:	Jacaniidae	1
Number of genera		1	Number of genera		1
Number of species		1	Number of species		1

Order	Anseriformes		Order:	Gruiformes	
Family	Anatidae	8	Family:	Rallidae	1
Number of genera		6	Family:	Gruidae	1
Number of species		8	Number of genera		2
Order	Suliformes		Number of species		2
Family	Phalacrocoracidae	2			
Number of genera		2	Order:	Accipitriformes	
Number of species		2	Family:	Accipitridae	1
Order	Galliformes		Number of genera		1
Family	Phalacrocoracidae	2	Number of species		1
Number of genera		1	Order:	Passeriformes	
Number of species		2	Family:	Corvidae	3
Order:	Piciformes			Oriolidae	1
Family:	Picidae	3		Campephagidae	1
	Megalaimidae	1		Dicruridae	1
Number of genera		3		Aegithinidae	1
Number of species		4		Muscicapidae	1
Order:	Coraciiformes			Sturnidae	4
Family:	Alcedinidae	4		Rhipiduridae	1
	Meropidae	3		Passeridae	1
	Coraciidae	1		Pycnonotidae	2
Number of genera		6		Cisticolidae	2
Number of species		8		Leiothrichidae	1
Order:	Cuculiformes			Nectariniidae	2
Family:	Cuculidae	4		Cisticolidae	1
Number of genera		3	Number of genera		18
Number of species		4	Number of species		22
Order:	Psittaciformes		Order:	Bucerotiformes	
Family:	Psittaculidae	2	Family:	Upupidae	1
Number of genera		1	Number of genera		1
Number of species		2	Number of species		1

**Table 2:-** Relative diversity (RDi) of the orders recorded at the area surveyed.

Sl No.	Orders	Rdi
1	Pelecaniformes	8.22
2	Ciconiiformes	2.74
3	Podicipediformes	1.37
4	Anseriformes	10.96
5	Suliformes	2.74
6	Galliformes	2.74
7	Piciformes	5.48
8	Coraciiformes	10.96
9	Cuculiformes	5.48
10	Psittaciformes	2.74
11	Strigiformes	4.11
12	Columbiformes	5.48
13	Charadriiformes	1.37
14	Gruiformes	2.74
15	Accipitriformes	1.37
16	Passeriformes	30.14
17	Bucerotiformes	1.37

**Table 3:-** Relative diversity (RDi) of the families recorded at the area surveyed.

SI No.	Family	Rdi	SI No.	Family	Rdi
1	Ardeidae	8.22	19	Gruidae	1.37
2	Ciconiidae	2.74	20	Accipitridae	1.37
3	Podicipedidae	1.37	21	Corvidae	4.11
4	Anatidae	10.96	22	Oriolidae	1.37
5	Phalacrocoracidae	2.74	23	Campephagidae	1.37
6	Phalacrocoracidae	2.74	24	Dicruridae	1.37
7	Picidae	4.11	25	Aegithinidae	1.37
8	Megalaimidae	1.37	26	Muscicapidae	1.37
9	Alcedinidae	5.48	27	Sturnidae	5.48
10	Meropidae	4.11	28	Rhipiduridae	1.37
11	Coraciidae	1.37	29	Passeridae	1.37
12	Cuculidae	5.48	30	Pycnonotidae	2.74
13	Psittaculidae	2.74	31	Cisticolidae	2.74
14	Tytonidae	1.37	32	Leiothrichidae	1.37
15	Strigidae	2.74	33	Nectariniidae	2.74
16	Columbidae	5.48	34	Cisticolidae	1.37
17	Jacaniidae	1.37	35	Upupidae	1.37
18	Rallidae	1.37			

**Table 4:-** Details of observations.

SI No.	Common English Name	Common Bengali Name	Systematic position		IUCN Status
1	Little egret	Bok	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Pelecaniformes	
			Family:	Ardeidae	
			Genus:	Egretta	
			Species:	garzetta	
2	Great egret	Borobok	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Pelecaniformes	
			Family:	Ardeidae	
			Genus:	Ardea	
			Species:	alba	
3	Intermediate egret	Bok	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Pelecaniformes	
			Family:	Ardeidae	
			Genus:	Ardea	
			Species:	intermedia	
4	Cattle egret	Go-Bok	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Pelecaniformes	
			Family:	Ardeidae	
			Genus:	Bubulcus	
			Species:	ibis	
5	Pond heron	Konchbok	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Pelecaniformes	
			Family:	Ardeidae	
			Genus:	Ardeola	
			Species:	grayii	
6	Grey heron	Sadakak	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Pelecaniformes	
			Family:	Ardeidae	
			Genus:	Ardea	
			Species:	cinerea	

7	Sarus Crane	Deshi Saras	Class:	Aves	Vulnerable (IUCN 3.1)
			Order:	Gruiformes	
			Family:	Gruidae	
			Genus:	Antigone	
			Species:	antigone	
8	Painted Stork	Ranga Manikjor	Class:	Aves	<b>Near Threatened</b> (IUCN 3.1)
			Order:	Ciconiiformes	
			Family:	Ciconiidae	
			Genus:	Mycteria	
			Species:	leucocephala	
9	Open billed stork	Shamukh-khor	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Ciconiiformes	
			Family:	Ciconiidae	
			Genus:	Anastomus	
			Species:	oscitans	
10	Lesser whistling duck/Lesser whistling teal	Moral	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Anseriformes	
			Family:	Anatidae	
			Subfamily:	Dendrocygninae	
			Genus:	Dendrocygna	
11	Fulvous Whistling Duck	BoroSarali	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Anseriformes	
			Family:	Anatidae	
			Subfamily:	Dendrocygninae	
			Genus:	Dendrocygna	
12	Bar-headed goose	DagiRajhans	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Anseriformes	
			Family:	Anatidae	
			Subfamily:	Anatinae	
			Genus:	Anser	
13	Common Pochard	Pati Bhutihans	Class:	Aves	<b>Vulnerable</b> (IUCN 3.1)
			Order:	Anseriformes	
			Family:	Anatidae	
			Subfamily:	Anatinae	
			Genus:	Aythya	
14	Ferruginous duck	Marche Bhutihans	Class:	Aves	<b>Near Threatened</b> (IUCN 3.1)
			Order:	Anseriformes	
			Family:	Anatidae	
			Subfamily:	Anatinae	
			Genus:	Aythya	
15	Little grebe/ Dabchick	Pandubi/ Duburihans	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Podicipediformes	
			Family:	Podicipedidae	
			Genus:	Tachybaptus	
			Species:	ruficollis	
16	Indian spot billed duck	Meteyhans	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Anseriformes	
			Family:	Anatidae	

			Subfamily:	Anatinae	
			Genus:	Anas	
			Species:	poecilorhynchus	
17	Cotton pygmy goose	Balihans	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Anseriformes	
			Family:	Anatidae	
			Genus:	Nettapus	
			Species:	cormondalianus	
18	Ruddy shelduck	Chakha/ Brahmini duck	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Anseriformes	
			Family:	Anatidae	
			Subfamily:	Tadorninae	
			Genus:	Tadorna	
			Species:	ferruginea	
19	Little cormorant	ChhotoPankouri	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Suliformes	
			Family:	Phalacrocoracidae	
			Genus:	Microcarbo	
			Species:	niger	
20	Indian shag	MajhariPankouri	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Suliformes	
			Family:	Phalacrocoracidae	
			Genus:	Phalacrocorax	
			Species:	fuscicollis	
21	Common Quail	Koyel/ Pati Botera	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Galliformes	
			Family:	Phasianidae	
			Genus:	Cotunix	
			Species:	cotunix	
22	Japanese Quail	JapaniKoyel/ Botera	Class:	Aves	<b>Near Threatened</b> (IUCN 3.1)
			Order:	Galliformes	
			Family:	Phasianidae	
			Genus:	Cotunix	
			Species:	japonica	
23	Fulvous breasted woodpecker	Jaradkaththokra	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Piciformes	
			Family:	Picidae	
			Genus:	Dendrocopos	
			Species:	macei	
24	Grey capped pygmy woodpecker	Dhushormathakhudekaththokra	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Piciformes	
			Family:	Picidae	
			Genus:	Dendrocopos	
			Species:	canicapillus	
25	Blue throated barbet	Basantabouri	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Piciformes	
			Family:	Megalaimidae	
			Genus:	Psilopogon	
			Species:	asiaticus	
26	Black-rumpedflameback	kaththokra	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Piciformes	
			Family:	Picidae	
			Genus:	Dinopium	
			Species:		

27	Blue-bearded bee-eater	Niladribanaspati	Species:	benghalense	Least concern (IUCN 3.1)
			Class:	Aves	
			Order:	Coraciiformes	
			Family:	Meropidae	
			Genus:	Nyctyornis	
28	Green bee eater	Sabuj Bashpati	Species:	athertoni	Least concern (IUCN 3.1)
			Class:	Aves	
			Order:	Coraciiformes	
			Family:	Meropidae	
			Genus:	Merops	
29	Common kingfisher	Chhotomachhranga	Species:	orientalis	Least concern (IUCN 3.1)
			Class:	Aves	
			Order:	Coraciiformes	
			Family:	Alcedinidae	
			Subfamily	Alcedininae	
30	White-throated kingfisher	Sadabukmachhranga	Genus:	Alcedo	Least concern (IUCN 3.1)
			Species:	atthis	
			Class:	Aves	
			Order:	Coraciiformes	
			Family:	Alcedinidae	
31	Black-capped kingfisher	Kalo mathaMachhranga	Subfamily	Halcyoninae	Least concern (IUCN 3.1)
			Genus:	Halcyon	
			Species:	smyrnensis	
			Class:	Aves	
			Order:	Coraciiformes	
32	Pied kingfisher	Phatkamachhranga	Family:	Halcyonidae	Least concern (IUCN 3.1)
			Subfamily	Halcyoninae	
			Genus:	Halcyon	
			Species:	pileata	
			Class:	Aves	
33	Indian roller	Nilkantha	Order:	Coraciiformes	Least concern (IUCN 3.1)
			Family:	Coraciidae	
			Genus:	Coracias	
			Species:	benghalensis	
			Class:	Aves	
34	Little green bee-eater	Banaspati	Subfamily	Cerylinae	Least concern (IUCN 3.1)
			Genus:	Ceryle	
			Species:	rudis	
			Class:	Aves	
			Order:	Coraciiformes	
35	Greater coucal/ Crow pheasant	Kubo	Family:	Alcedinidae	Least concern (IUCN 3.1)
			Subfamily	Cerylinae	
			Genus:	Ceryle	
			Species:	rudis	
			Class:	Aves	
36	Common hawk-cuckoo	Chokhgelo	Family:	Cuculidae	Least concern (IUCN 3.1)
			Genus:	Centropus	
			Species:	sinensis	
			Class:	Aves	
			Order:	Cuculiformes	

			Genus:	Hierococcyx	
			Species:	varius	
37	Asian Koel	Kokil	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Cuculiformes	
			Family:	Cuculidae	
			Genus:	Eudynamys	
			Species:	scolopaceus	
38	Lesser coucal	Chhotokubo	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Cuculiformes	
			Family:	Cuculidae	
			Genus:	Centropus	
			Species:	bengalensis	
39	Rose ringed parakreet	Tiya	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Psittaciformes	
			Family:	Psittaculidae	
			Subfamily:	Psittaculinae	
			Genus	Psittacula	
			Species	krameri	
40	Alexandrine parakreet	Chandana	Class:	Aves	<b>Near threatened</b> (IUCN 3.1)
			Order:	Psittaciformes	
			Family:	Psittaculidae	
			Subfamily:	Psittaculinae	
			Genus	Psittacula	
			Species	eupatria	
41	Spotted owl	Kuturepencha	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Strigiformes	
			Family:	Strigidae	
			Genus:	Athene	
			Species:	brama	
42	Common barn owl	Lakhipencha	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Strigiformes	
			Family:	Tytonidae	
			Genus:	Tyto	
			Species:	alba	
43	Brown fish owl	Bhootopencha	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Strigiformes	
			Family:	Strigidae	
			Genus:	Ketupa	
			Species:	zeylonensis	
44	Green imperial pidgeon	Sona kabutar	Class:	Aves	<b>Near Threatened</b> (IUCN 3.1)
			Order:	Columbiformes	
			Family:	Columbidae	
			Genus:	Ducula	
			Species:	aenea	
45	Oriental turtle dove	Ram ghughu	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Columbiformes	
			Family:	Columbidae	
			Genus:	Streptopelia	
			Species:	orientalis	
46	Spotted dove	Telia ghughu	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Columbiformes	
			Family:	Columbidae	

			Genus:	Streptopelia	
			Species:	chinensis	
47	Rock pегion	Payra/ kabutor	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Columbiformes	
			Family:	Columbidae	
			Genus:	Columba	
			Species:	livia	
48	Bronze winged jacana	Jalpipi	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Charadriiformes	
			Family:	Jacanidae	
			Genus:	Metopidius	
			Species:	indicus	
49	White breasted waterhen	Dahuk	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Gruiformes	
			Family:	Rallidae	
			Genus:	Amauornis	
			Species:	phoenicurus	
50	Black kite	Cheel	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Accipitriformes	
			Family:	Accipitridae	
			Genus:	Milvus	
			Species:	migrans	
51	Black-hooded oriole	Benebou / Ishtikutum	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Oriolidae	
			Genus:	Oriolus	
			Species:	xanthornus	
52	Rufous treepie	Haarichancha	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Corvidae	
			Genus:	Streptopelia	
			Species:	chinensis	
53	House crow	Kak	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Corvidae	
			Genus:	Corvus	
			Species:	splendens	
54	Jungle crow	Dar kak	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Corvidae	
			Genus:	Corvus	
			Species:	macrorhynchos	
55	Black drongo	Fingey	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Dicruridae	
			Genus:	Dicrurus	
			Species:	macrocerus	
56	Small minivet	Saheli	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Campephagidae	
			Genus:	Pericrocotus	
			Species:	cinnamomeus	
57	Oriental magpie	Doyel /Robin	Class:	Aves	Least

	robin		Order:	Passeriformes	concern (IUCN 3.1)
			Family:	Muscicapidae	
			Genus:	Copsychus	
			Species:	sularis	
58	Common iora	Fotikjal	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Aegithinidae	
			Genus:	Aegithina	
			Species:	tiphia	
59	Common myna	Shalik	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Sturnidae	
			Genus:	Acridotheres	
			Species:	tristis	
60	Asian pied starling / Pied mayna	Guyeshalik	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Sturnidae	
			Genus:	Gracupica	
			Species:	contra	
61	Jungle myna	Junglishalik	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Sturnidae	
			Genus:	Acridotheres	
			Species:	fuscus	
62	Pale-bellied myna	Borjhutishalik	Class:	Aves	<b>Vulnerable</b> (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Sturnidae	
			Genus:	Acridotheres	
			Species:	cinereus	
63	House sparrow	Charai/ Charui	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Passeridae	
			Genus:	Passer	
			Species:	domesticus	
64	White-throated fantail	Chaakdoyel	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Rhipiduridae	
			Genus:	Rhipidura	
			Species:	albicollis	
65	Purple sunbird	Durga tuntuni	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Nectariniidae	
			Genus:	Nectarinia	
			Species:	asiaticus	
66	Black Bulbul	Kalo bulbul	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Pycnonotidae	
			Genus:	Hypsipetes	
			Species:	leucocephalus	
67	Red whiskered bulbul	SipaiBulbuli	Class:	Aves	Least concern (IUCN 3.1)
			Order:	Passeriformes	
			Family:	Pycnonotidae	
			Genus:	Pycnonotus	

68	Red vented bulbul /crested bulbul	Bulbul	Species:	jocosus	Least concern (IUCN 3.1)
			Class:	Aves	
			Order:	Passeriformes	
			Family:	Pycnonotidae	
			Genus:	Pycnonotus	
69	Jungle babbler	Chhatar	Species:	cafer	Least concern (IUCN 3.1)
			Class:	Aves	
			Order:	Passeriformes	
			Family:	Leiothrichidae	
			Genus:	Turdoides	
70	Purple-rumped sunbird	Moutusi	Species:	striatus	Least concern (IUCN 3.1)
			Class:	Aves	
			Order:	Passeriformes	
			Family:	Nectariniidae	
			Genus:	Nectarinia	
71	Common tailorbird	Tuntuni	Species:	zeylonica	Least concern (IUCN 3.1)
			Class:	Aves	
			Order:	Passeriformes	
			Family:	Cisticolidae	
			Genus:	Orthotomus	
72	Baya weaver	Babui	Species:	sutorius	Least concern (IUCN 3.1)
			Class:	Aves	
			Order:	Passeriformes	
			Family:	Cisticolidae	
			Genus:	Ploceus	
73	Common Hoopoe	Mohonchura / Hoopoo	Species:	philippinus	Least concern (IUCN 3.1)
			Class:	Aves	
			Order:	Bucerotiformes	
			Family:	Upupidae	
			Genus:	Upupa	
			Species:	epops	

### Conclusion:-

This area, located at the eastern border of the township, adjacent to Teesta River, included the river basin with sandy soil; cultivation land with normal soil and mud; a number of ponds and large water bodies; areas covered with long grasses, large trees, bushes and palm trees; all such attributes appear to contribute in habitat diversification resulting in such a diverse avifaunal make-up of the expanse.

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