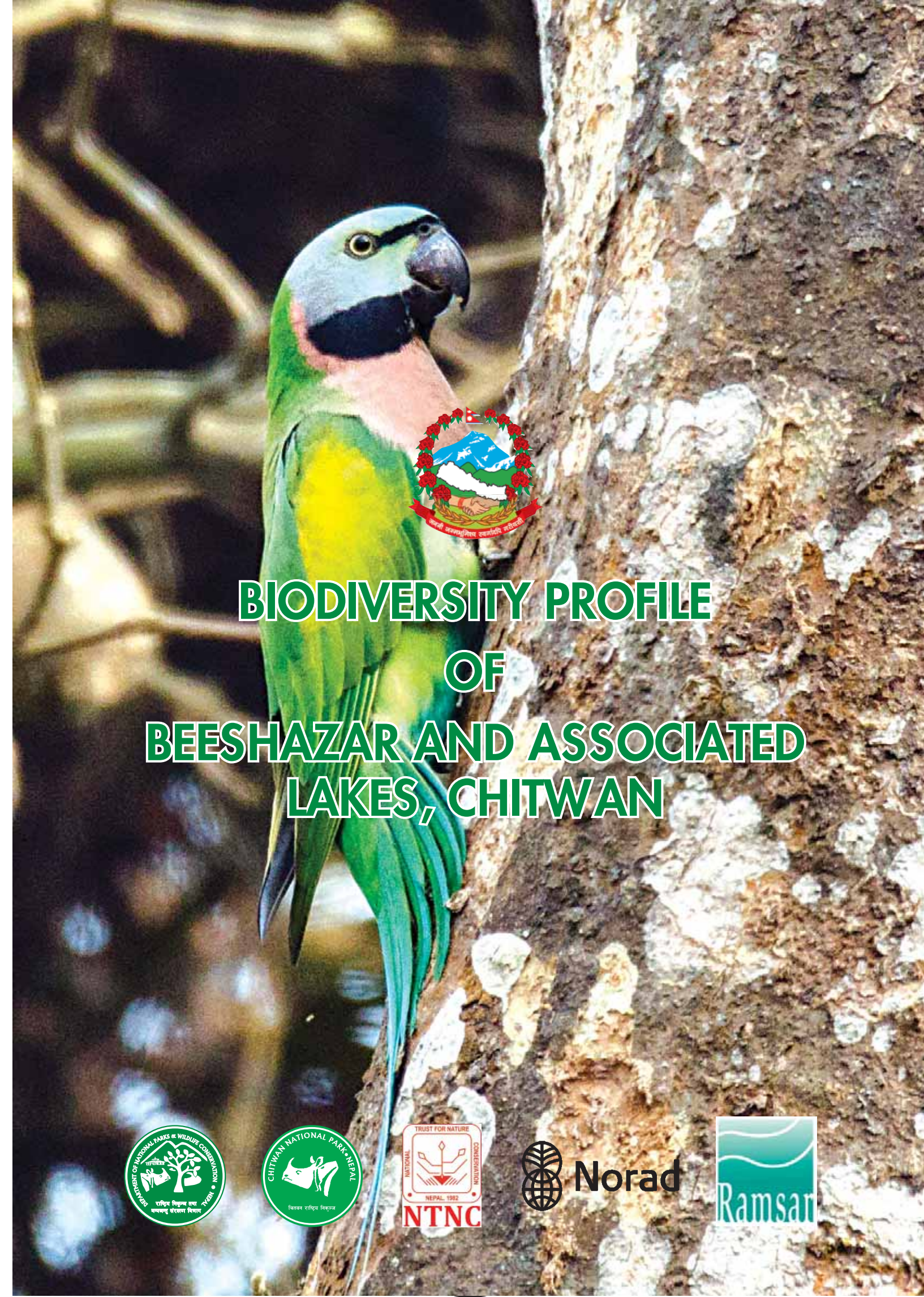




BIODIVERSITY PROFILE OF BEESHAZAR AND ASSOCIATED LAKES, CHITWAN



Norad





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1. INTRODUCTION

1.1 Biodiversity and its importance

Biodiversity is the comprehensive umbrella term for the degree of nature's variety or variation within the natural system in both number and frequency. In general, the term bio-diversity refers to the variety of all forms of life on earth i.e. plants, animals, micro-organisms, the gene they contain and the ecosystem they form. It is often described in hierarchical terms and considered at 3 major levels i.e. ecosystem diversity, species diversity, and genetic diversity (NBS, 2014-2020).

Ecological diversity is the diversity of ecosystems, biotic communities and habitats in the biosphere. Similarly, species diversity is the measure of diversity within an ecological community. It takes species richness (the total number of different species in a community), and species evenness (the variation of abundance in individuals per species in a community) to measure the diversity. Likewise, Genetic biodiversity refers to the variation of the genes within the species and populations. These variations are the determinants of the uniqueness of each individual species.

Biodiversity is important to maintain CO₂, O₂ balance, regulation of bio-geochemical cycles, decomposing waste materials through absorption and breakdown of pollutants, determination and regulation of natural world climate, and protection services, against wind breaks and indicator for environmental changes. Hence, biodiversity helps to maintain balance ecosystem. Similarly, it also provides aesthetic and utilitarian values too (Looi, 2005).

1.2 Wetland and Biodiversity

Wetland ecosystem are the most diverse and productive ecosystem on earth. It includes marshes, lakes, rivers, flood basins, estuarine deltas, ponds, rice fields, and marine water areas where the depth of the low tide does not exceed 6m (Convention on wetland, 1971). They are considered as productive lands for agriculture and rich from the point of view of biological diversity. These wetland provides habitat for several species (In Nepal: 32 species of mammals, 461 species of birds, 9 species of turtle, 20 species of snake and 28 species of fish in terai (Shrestha, 2011). Wetland provides a resource of great economic, cultural, recreational and hydrological value as well as income generating opportunities to the wetland dependent communities. Like tangible and intangible resources that are the product of wetland functions (fodder, fishes, ecotourism, fuel wood, non-timber forest products, flood control, etc.) are the source of income and livelihood for the human beings from the ancient time.

According to the National Wetland Policy (2003) of Nepal, "Wetlands denote perennial water bodies that originate from underground sources of water or rains. It means swampy areas with flowing or stagnant fresh or salt water that are natural or man made, permanent or temporary. Wetlands also mean marshy lands, riverine floodplains, lakes, ponds, water storage areas, and agricultural lands".

1.2.1 Linkage between Wetland, Biodiversity and Ecosystem

1. Wetland is the cradle for large number of birds, animals, fish, and invertebrates.
2. Wetland plays a crucial role in maintaining natural cycles.
3. Wetlands recharge water sources and act as natural sponge against floods.
4. Wetlands are the productive areas that support the higher concentration of species.

While comparing with other ecosystems, the ecosystem services provided from wetland are numerous like clean water provision, natural hazard mitigation, carbon storage etc.

1.3 Why is wetland biodiversity important?

Ecological Values: Maintaining the CO₂, O₂ balance, regulation of biochemical cycles, decomposition of waste, etc.

Ethical and moral values: Every organism has inherent right to exist irrespective of its importance to humans.

Aesthetic values: We enjoy natural environment like spotting the wild species add the enjoyment of the nature.

Utilitarian: This contributes to our material well being besides our emotions and feelings. Example: foods, medicines, research activities, raw materials for industries, and so on.

1.4 Wetland Biodiversity Profile

Wetland Biodiversity Profile is the conservation assessment of wetland conditions. It is designed to highlight environmental conditions of the designated area that provides scientific up-to date measure of underlying vegetation communities and associations including animals, birds, reptiles and insects.

This profile attempts to provide a focused and well documented study on the present wetland biodiversity status of Beeshazar and Associated Lakes. It is divided into:

1. Narrative summary of the study area
2. Methodology
3. Annex (Checklist of the floras and faunas)

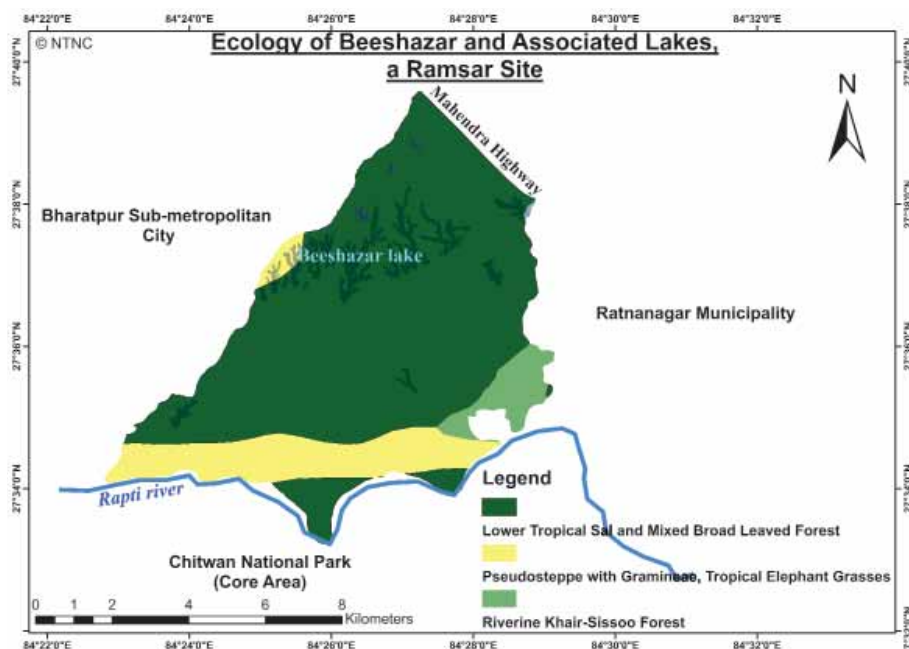


Fig. 1: Ecology of Beeshazar and Associated Lakes

2. NARRATIVE SUMMARY

Beeshazar and Associated Lakes was designated in Ramsar (Ramsar site no. 1313, Area: 3200 ha; 27° 37' N, 84° 26' E) on 8th August, 2003. The site is located in the Barandabhar biological corridor and is the part of the bufferzone area of the Chitwan National Park (Figure 1). The Park is the first National Park of the Country (Est. 1973) and is one of the natural World Heritage Sites.

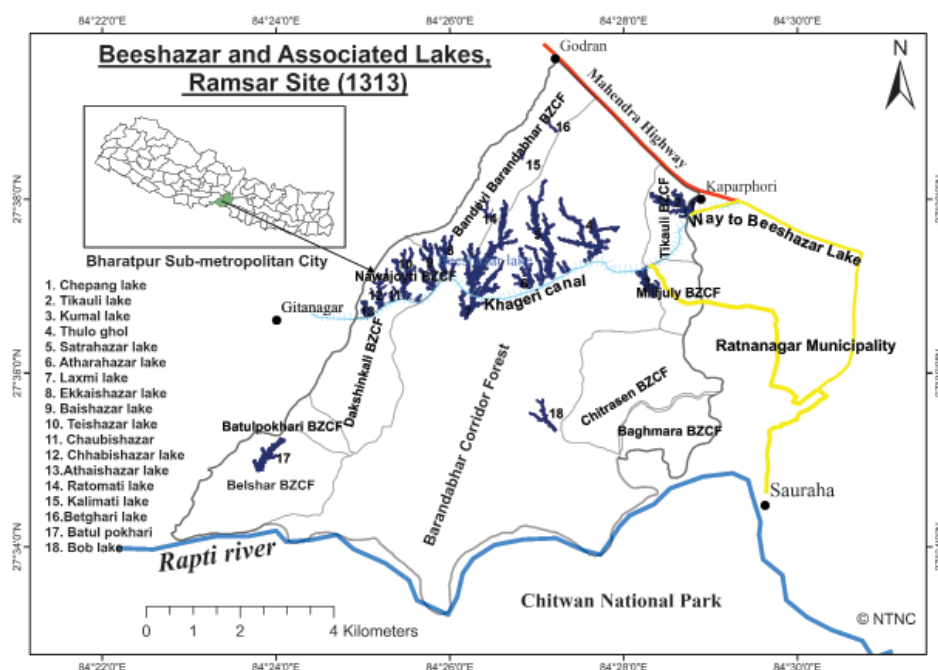


Fig. 2: Map Showing Beeshazaar and Associated Lakes

2.1 Geology and Soil

The geology and soil characteristics of Beeshazar and Associated Lakes can be co-related with that of the Park as the lake is situated in the bufferzone area. The floodplains consist of series of ascending alluvial terraces composed of boulders, gravels, sand and silts. Soil types found are sandstone, conglomerate, quartzite, shales, and micaceous sandstone. The Lake bed is situated on Laterite soil (i.e. soil type rich in iron and aluminum).

2.2 Hydrology and Water

The Khageri River is the main natural drainage of the Beeshazar and Associated Lakes. The main source of water throughout the year is Khageri canal and during monsoon season precipitation increases the water level. The overall catchment area of the lake helps in ground water recharge. The mean annual rainfall is recorded 2150 mm (DNPWC, 2015).

2.3 Climate

The study area has a sub tropical climate with three major seasons: summer, monsoon and winter season. Summer season is a hot and dry period of the year that lasts from February to mid June. Monsoon season lasts from mid-June to late September characterized by torrential downpour with hot and humid climate. Winter is generally cold that lasts from late October to late September. The average temperature of the area is 34°C.

2.4 Flora

The forest in and around the Beeshazar and Associated Lakes of buffer zone is one of the important wildlife corridors that connect Chitwan National Park with Mahabharat range in the north and Valmiki Tiger Reserve, India in the South. There are seven bufferzone community forests (BZCF) in and around the Beeshazar area and all of them were surveyed carefully to investigate the present of the species diversity.

Altogether 199 species of vegetation were recorded from the area. Out of which 17 species belonged to the family Graminae whereas 13 species were from family Leguminosae. Among them, the most dominant species is Sal i.e. *Shorea robusta* and Asna (*Terminalia alata*) whereas Simal (*Bombax ceiba*), Bot Dhayiro (*Lagerstromia parviflora*), etc are the associated species. The area consists of aquatic vegetation such as Morning Glory (*Ipomea carnea* spp.), Water hyacinth (*Eichhornia crassipes*), Water chestnut (*Trapa bispinosa*), and Evening primrose (*Ludwigia adscendens*). Water velvet (*Azolla imbricata*), Duckweed (*Lemna* spp.) are the free floating species whereas, Hornwort (*Ceratophyllum demersum*), Hydrilla (*Hydrilla verticillata*) Water Nymph (*Najas minor*) are submerged species found inside the lake.

2.4.1 Medicinal Plants:

The indigenous people use these for medicinal purposes. A total number of 17 species were recorded that includes 3 species of climbers and creepers, followed by 7 species of trees, 5 species of herbs, and 2 species of shrubs.

2.4.2 Trees:

In total 53 different species were documented that emerged in the top canopy layers. The area comprises of Sal dominant forest, associated by Asna, Simal, Botdhairo etc.



Shorea robusta (Sal Seedling)



Hymenoxyston excelsum (Bhudkul)

2.4.3 Shrubs:

There were 31 species of shrubs. Further, the areas were also invaded by bushy alien species like *Eupatorium adenophorum*, *Lantana camara* and *Chromola odorata* abundantly.

*Chromola odorata**Eupatorium adenophorum*

2.4.4. Herbs:

There were 59 species of herbs, including creeper and climbers, in the area. Most of the herbs belonged to the family Graminae *Parthenium hysterophorus*, an alien species, have invaded the area.

*Mentha (Mentha longifolia)**Batule lahara (Cissampelos pareira)*

2.4.5 Climbers and Creepers:

Altogether 17 species of climbers and creepers were found in Beeshazar and Associated Lakes area. The area was invaded by *Mikania micrantha* which is locally named as Banmara. There were 39 species of Aquatic flora recorded. List of all plant species recorded from the area are listed in **Annex A**.

2.5. Fauna

2.5.1. Mammals:

Beeshazar and Associated Lakes are the prime habitat for globally threatened mammals like Royal Bengal Tiger (*Panthera tigris*), Great One horned Rhino (*Rhinoceros unicornis*), Bengal Monitor Lizard (*Varanus dracaena*), etc. Altogether, 32 species of mammals (including 4 species

of bats) were recorded in the study area. Among them 8 tiger (Tiger and prey based monitoring, NTNC, 2014/2015, (unpublished)) and 20 one horned rhinoceros were found (National Rhino Count, NTNC, 2015 (unpublished)) during the survey.



Tiger (Mother & cub (*Panthera tigris*)
trapped during camera trap survey



One horned rhinoceros (*Rhinoceros unicornis*)

The lists of the mammals recored from the Beeshazar & Associated Lakes area listed in the **Annex B**.



Bats *Cynopterus sphinx* colony roosting in palm tree

©NTNC

2.5.2. Herpetofauna

Herpetofauna (amphibians and reptiles) are the biological indicators to determine the change and detect the quality of the environment. At all 31 species of herpetofauna including 12 species of frogs and toads, 03 species of lizards, 09 species of snakes, 03 species of skinks, 03 species of gecko, 01 species of crocodile were recorded. Detail lists of the herpeto fauna species recorded from the area is presented in the **Annex D**.



Minervarya sp. recorded at Bob Tal

Avifauna

Beeshazar and Associated Lakes are the suitable habitat for avifaunal diversity. In total 329 species of birds were recorded from the area. White Rumped Vulture (*Gyps bengalensis*), Cinereous Vulture (*Aegypius monachus*), Hen Harrier (*Circus cyaneus*) are some of the important birds from the area. The detail lists of the birds are given in the **Annex E**.



Egyptian Vulture (*Neophron percnopterus*)



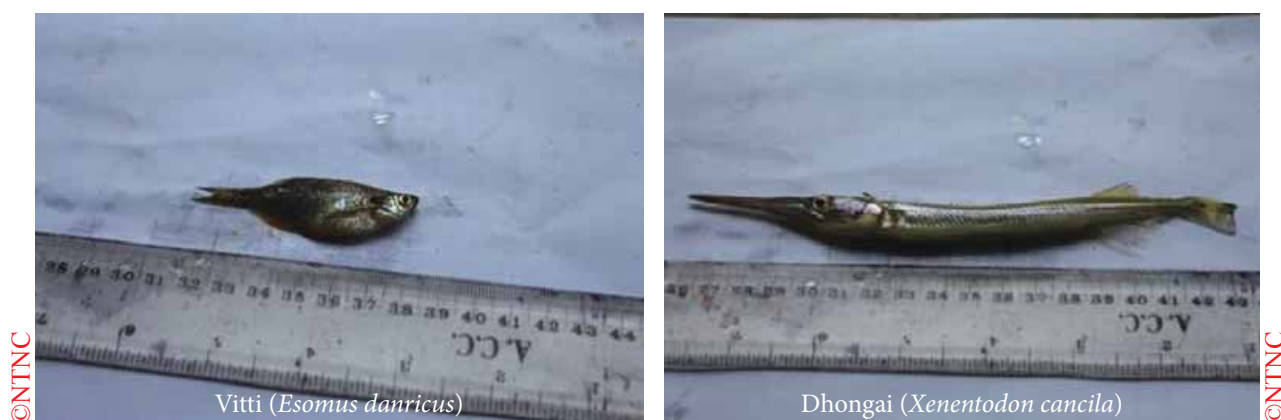
Darter (*Anhinga melanogaster*)

2.5.3 Aquatic Fauna

Aquatic fauna include fishes, arthropods (insects, mites, scuds, and crayfish), molluscs (snails, limpets, mussels or clams), annelids (segmented worms), nematodes (roundworms) and platyhelminthes (flatworms). They provide an integrated picture of stream chemistry (water quality), physical habitat and environmental change. Altogether 10 species of aquatic fauna are found in the area. Bivalvia (Clams), Gastropoda (Snails), Chironomids were the macro invertebrates found on the designated study area. Detail lists of aquatic fauna recorded from the area is listed in **Annex G**.

2.5.3.1 Fishes

Altogether 37 species of fishes were recorded in Beeshazar and Associated Lakes, belonging to 6 orders (Osteoglossiformes, Cypriniformes, Siluriformes, Beloniformes, Synbranchiformes and Perciformes) and 15 families. 23 species of individual fishes were recorded in Beeshazari Lake, 16 species in Kingfisher Lake, 4 species in Laxmi Lake and 23 species in Batuli Pokhari respectively. Detail lists of the fishes recorded during the survey is listed in the **Annex F**.



Example of the fishes from Beeshazar and Associated Lakes

2.5.4. Butterflies

In Beeshazaar and Associated Lakes, 16 different types of butterflies were recored.



Annex H consists the list of butterflies.

2. 5.4.1 Socio-economic and cultural status

The bufferzone area is mainly inhabited by Tharu indigenous people. Agriculture is the major occupation of people inhabiting in this area. Rice (*Oryza sativa*), wheat (*Triticum avvenea*) and mustard (*Brassica spp.*) are the major crops cultivated in this region. The local population currently uses the wetlands for fishing, fodder and fuelwood collection, domestic use and supply of water for irrigation. Forest in

both eastern and western edges are handed over to local communities for sustainable management and utilization of the resources. Bufferzone management committee is formed for participatory management of the area. This site is a priority learning site promoted by Department of National Park and Wildlife Conservation (DNPWC), National Trust for Nature Conservation (NTNC), International Union for Nature Conservation (IUCN), and other organizations.

3. METHODOLOGY

Following methods were used for the identification and record of flora and fauna for the area;

3.1 Survey for Vegetation Study:

a. Randomized block method:

Randomized block method survey was used to count the number of plant species of Beeshazar and Associated Lakes. .

b. Transect walk

Transects were set up for permanent study of vegetation. Local inhabitants were consulted for the local names, medicinal values and importance of the plants species. Unidentified species were sampled and identified using identification kits

3.2 Camera Trapping Method

Camera trapping method was used to document the mammal species. Altogether 61 grids each of 2 were identified to deploy the camera traps in the area. In each grid pair of cameras were setup. In total 122 cameras were fixed in different locations for the period of 15 nights.

3.3 Individual Identification for Herpetofauna

Visual Encounter Survey (VES) was conducted to count the species of Herpetofaunas. The habitat favorable to them was systematically sampled.

3.4 Bird Count

Birds were recorded using point transect sampling. There were 6 transect and each transect consisted of 13 points. The transect were from Tikauli to Gaida Taal in Rambel Community Forest, Nawajagriti to Gondrang, Devnanagar Post to Ganga Nagar, Sitamai to Belshar (Rapti Belt), Khorsor to Chitrasen-Milijuli Community Forest, and Tikalui entrance point to Satrahazari Taal.

3.5. Survey for Pisces

The sites were randomly selected according to accessibility and focusing on representation of even distribution of sample sites. GPS co-ordinates with altitude were recorded in all sampling areas to provide distribution of species present in the lakes. Sampling was done by engaging local fishermen

using various kinds of locally prepared fishing nets for the castling. Scoop nets were used for capturing larvae, fingerlings and small fishes.

3.5.1. Key Informant Survey

The questionnaire survey was done with fishermen. Furthermore, additional information was obtained from the key informants (fish survey, 2015). For further, local fish spp were identified with the help of local experts.

3.5.2. Methods for bat count

a. Roost search

Roost search, in the vicinity of Devnagar post including villages adjoining to the Beeshazar and associated lakes, were conducted to find the species of bats. Direct observation method was used in orchard, plantain trees (*Musa paradisiaca*) as well as huts, houses and sheds, in the hollows and barks of dead trees during day time.

b. Mistnetting

Two mist nets of size 9m × 3m × 2.5m was used randomly along the Khageri irrigation canal and at Batuli pokhari during evening between 1800 hr and 2200 hr. One mist net was also placed at Barandabhar post through out the night. Entangled bats in the nets were recorded and identified.

Annex A: Lists of Vegetation

Medicinal Plants

SN.	Botanical Name	Local name	Common Name	Status	Family	Parts used	Used Value	Method of application	CITES
1	<i>Aegle marmelos</i>	बेल	Wood Apple	T	Rutaceae	Fruit	In Indigestion, as antimicrobial	Dried fruit powder or as drink	--
2	<i>Arisaema erubescens</i>	सर्पको मकै	Cobra Lilys	H	Araceae	Stem, root	In sprain and muscular spasm	Dried or fresh paste used	--
3	<i>Artemisia indica</i>	तिन्ति पाती	Mugwort	H	Compositae	Leaves	As antimicrobial	Leaf extract	--
4	<i>Cassia fistula</i>	राजवृक्ष	Golden Shower Tree	T	Fabaceae	Fruit	As diuretic	Fruit pulp consumption	
5	<i>Centella asiatica</i>	घोरटाप्रे	Centella	H	Apiaceae	Leaves	In typhoid fever	Leaves extract	
6	<i>Cleistocalyx operculatus</i>	क्यामुन	Water Banyan	T	Myrtaceae	Bark	In sinus infection	Stem Juice of bark used	
7	<i>Dioscorea bulbifera</i>	गिठ्ठा	Air Yam	CH	Dioscoreaceae	Fruit	In headache	Fruit paste applied externally	--
8	<i>Eclipta prostrata</i>	भिरीङ्गराज	False Daisy	H	Asteraceae	Leaves	In fresh cuts and wounds	Leaves juice	--
9	<i>Holarrhena pubescens</i>	दुध खिरी	Indrajao	T	Apocynaceae	Bark	In dysuria	Bark taken in the morning	--
10	<i>Lygodium japonicum</i>	लुते लहरा	Japanese Climbing Fern	CH	Lygodiaceae	Stem	In scabies, wounds, boils	Paste used externally	--
11	<i>Emblica officinalis</i>	अमला	Indian Gooseberry	T	Euphorbiaceae	Fruit	Enhance digestion	Dried fruit powder or fresh fruit consumed	--

12	<i>Pogostemon benghalensis</i>	रुदिलो	Bengal Pogostemon	US	Lamiaceae	Root	In relieving fever	Root juice 4 teaspoons twice a day	--
13	<i>Rauwolfia serpentina</i>	सर्पगन्धा	Snake Root	H	Apocynaceae	Root	For insects bite and sting	Root powder in required dose only	II
14	<i>Terminalia bellirica</i>	वरो	Myrobalan	T	Combretaceae	Fruit	Various uses	Dried fruits solely or mixed with amala and harro	
15	<i>Terminalia chebula.</i>	हरो	Yellow Myrobalan	T	Combretaceae	Fruit	Various uses	Dried fruit or in mixture with amala and barro	
16	<i>Thespesia lampas</i>	वनकपास	Common Mallow	S	Malvaceae	Root	In menorrhagia	Root extract and paste used	
17	<i>Tinospora cordifolia</i>	गुर्जो	Malabar Gulbel	CH	Menispermaceae	Stem	Veterinarian use	Powdered stem used to fatten cattles	

Other Plants Species

SN.	Botanical Name	Local Name	Common Name	Status	Family	CITES
18	<i>Adina cordifolia</i>	कर्मा	Yellow Teak	T	Rubiaceae	--
19	<i>Albizia lebbeck</i>	कालो शिरिष	English East Indian acacia	T	Fabaceae	--
20	<i>Albizia Procera.</i>	सेतो शिरिष	Albizia	T	Mimosaceae	--
21	<i>Antidesma acidum</i>	अर्चल	Rohitaka	S	Euphorbiaceae	--
22	<i>Ardisia solanacea</i>	दमैफल	Shoebutton Ardisia	ST	Primulaceae	--
23	<i>Bambuseae sp.</i>	वाँस	Bamboo	TG	Poaceae	--
24	<i>Bauhinia purpurea</i>	टाँकी	Butterfly tree	T	Caesalpiniaceae	--
25	<i>Bombax ceiba</i>	सिमल	Red Silk-Cotton	T	Malvaceae	--
26	<i>Bridelia retusa</i>	गयो	Spinous Kino Tree	T	Euphorbiaceae	--
27	<i>Xeromphis spinosa</i>	मैदाल	Mountain Pomegranate	T	Rubiaceae	--
28	<i>Cordia dichotoma</i>	वोहोरी	Indian cherry	T	Boraginaceae	--
29	<i>Citrus maxima</i>	भोगटे	Pomelo	T	Rutaceae	--
30	<i>Myrsine semiserrata</i>	कालिकाठ		T	Myrsinaceae	--
31	<i>Dalbergia latifolia</i>	सतिसाल	Black Rose-wood	T	Fabaceae	--
32	<i>Dalbergia sissoo</i>	सिसौ	Indian Rose-wood	T	Fabaceae	--
33	<i>Dillenia pentagyna</i>	टाँटरी	Dog Teak	T	Dilleniaceae	--
34	<i>Ficus hispida</i>	खोटने	Hairy Fig	T	Moraceae	--
35	<i>Ficus lacor</i>	काभ्रो	Java Fig	T	Moraceae	--
36	<i>Ficus racemosa</i>	डुम्री	Cluster fig	T	Moraceae	--
37	<i>Ficus religiosa</i>	पिपल	Sacred Fig	T	Moraceae	--
38	<i>Ficus semicordata</i>	खनिरु	Drooping Fig	T	Moraceae	--
39	<i>Helicteres isora</i>	फर्सा	Indian screw	S	Sterculiaceae	--
40	<i>Murraya koenigii</i>	मिठो निम	Curry tree	ST	Rutaceae	--
41	<i>Lagerstroemia parviflora</i>	बोटघाइरो	Crape Myrtle	T	Lythraceae	--
42	<i>Lannea coromandelica</i>	हल्लुडे	Indian Ash Tree	T	Anacardiaceae	--
43	<i>Litsea monopetala</i>	कूटमिरो	Meda	ST	Lauraceae	--
44	<i>Mangifera indica</i>	आँप	Mango	T	Anacardiaceae	--
45	<i>Mallotus philippensis</i>	सिन्दुरे	Kumkum Tree	T	Euphorbiaceae	--

SN.	Botanical Name	Local Name	Common Name	Status	Family	CITES
46	<i>Michelia champaca</i>	चाँप	Joy Perfume tree	T	Magnoliaceae	--
47	<i>Phoenix humilis</i>	थाकल	Date Palm	DT	Arecaceae	--
48	<i>Psidium guajava</i>	अम्बा	Guava	T	Myrtaceae	--
49	<i>Rhus wallichii</i>	भलायो	Toxicodendron	T	Anacardiaceae	--
50	<i>Sapium insigne</i>	खिरो	Tiger's Milk Spruce	T	Euphorbiaceae	--
51	<i>Schleichera oleosa</i>	कुसुम	Kusum	T	Sapidaeae	--
52	<i>Semecarpus anacardium</i>	भल्लाटा	Marking Nut	T	Anacardiaceae	--
53	<i>Shorea robusta</i>	साल	Common Sal	T	Dipterocarpaceae	--
54	<i>Skimmia arborescens</i>	सालवन असारे	Japanese skimmia	S	Rutaceae	--
55	<i>Spondias pinnata</i>	अमारो	Common Hog	T	Anacardiaceae	--
56	<i>Sterculia villosa</i>	ओदाने	Elephant Rope tree	T	Sterculiaceae	--
57	<i>Syzygium cumini</i>	जामुन	Java Plum	T	Myrtaceae	--
58	<i>Terminalia tomentosa</i>	साज	Indian Laurel	T	Combretaceae	--
59	<i>Trewia nudiflora</i>	भेल्लर	Gutel	T	Euphorbiaceae	--
60	<i>Woodfordia fruticosa</i>	धायरो	Fire-flame Bush	T	Lythraceae	--
61	<i>Xeromphis uliginosa</i>	पिडाँर	Bherani	T	Rubiaceae	--
62	<i>Adhatoda vasica</i>	असुरो	Malabar Nut Tree	S	Acanthaceae	--
63	<i>Caesalpinia decapetala</i>	अरेली काँडाँ	Mysore Thorn	S	Fabaceae	--
64	<i>Callicarpa macrophylla</i>	दहिगुण	Beautyberry	S	Verbenaceae	--
65	<i>Cassia tora</i>	टाप्रे	Sickle Senna	H	Leguminosae	--
66	<i>Clerodendrum viscosum</i>	भाँटि	The Hill Glory Bower	S	Verbenaceae	--
67	<i>Calotropis gigantean</i>	आँक	Crown Flower	S	Apocynaceae	--
68	<i>Grewia sapida</i>	सिम्ठी	Silk bark oali	S	Tiliaceae	--
69	<i>Solanum xanthocarpum</i>	कन्टाकारी	Yellow berried Nightshade	H	Solanaceae	--
70	<i>Ipomea carnea</i>	वेसरम	Bush Morning Glory	S	Convolvulaceae	--
71	<i>Leea crispa</i>	गलेनी		S	Leeaceae	--
72	<i>Solanum anguivi</i>	बिहि	Children's Potato	S	Solanaceae	--

SN.	Botanical Name	Local Name	Common Name	Status	Family	CITES
73	<i>Urena lobata</i>	नालु कुरो	Caesar Weed	US	Malvaceae	--
74	<i>Urtica dioica</i>	सिस्नु	Common Nettle	H	Urticaceae	--
75	<i>Ziziphus mauritiana</i>	बयर	Chinee Apple	S	Rhamnaceae	--
76	<i>Adiantum phillipense</i>	रानी सिन्का	Walking Maiden-hair Fern	H	Adiantaceae	--
77	<i>Amaranthus spinosus</i>	लुडे काँडाँ	Spiny Amaranth	H	Amaranthaceae	--
78	<i>Asparagus filicinus</i>	वन कुरीलो	Satavari	SS	Asparagaceae	--
79	<i>Barleria cristata</i>	भेंडे कुरो	Crested Philippine violet	S	Acanthaceae	--
80	<i>Blumea laciniata</i>	ठुलो मुलपाते	Cutleaf Blumea	H	Asteraceae	--
81	<i>Brachiaria distachya</i>	लिखे वन्सो	Armgrass Millet	H	Poaceae	--
82	<i>Caesilia axillaris</i>	ठुक झार	Pink Node Flower	H	Asteraceae	--
83	<i>Colocasia esculenta</i>	कर्कलो	Wild Taro	H	Araceae	--
84	<i>Costus speciosus</i>	वेद लउरी	Crepe Ginger	H	Costaceae	--
85	<i>Crotalaria alata</i>	सिंगेसिंगे	Rattlepod	H	Fabaceae	--
86	<i>Chrysopogon aciculatus</i>	कुरो घाँस	Spear grass	H	Poaceae	--
87	<i>Cynodon dactylon</i>	दुवो	Bermuda Grass	CH	Poaceae	--
88	<i>Cyperus rotundus</i>	मोथे	Coco-grass	H	Cyperaceae	--
89	<i>Desmostachya bipinnata</i>	कुस	Halfa Grass	H	Poaceae	--
90	<i>Diplazium esculentum</i>	निउरो	Vegetable Fern	H	Athyreaceae	--
91	<i>Echinochloa colona</i>	सामा घाँस	Wild Grass	H	Poaceae	--
92	<i>Elephantopus scaber</i>	सहर्सा बुटि	Elephant Foot	H	Asteraceae	--
93	<i>Eleusine indica</i>	कोदे झार	Indian Goose-grass	H	Poaceae	--
94	<i>Elsholtzia densa</i>	वनसिलाम	Bye-Rug-Pa	H	Lamiaceae	--
95	<i>Equisetum debile</i>	सिमे झार	Horsetail	H	Equisetaceae	--
96	<i>Euphorbia hirta</i>	दुधे र आँखले झार	Asthma Weed	H	Euphorbiaceae	--
97	<i>Flemingia macrophylla</i>	भट्वासे	Apa apa	S	Fabaceae	--
98	<i>Hemarthria compressa</i>	घोडे दुवो	Whip Grass	H	Poaceae	--
99	<i>Imperata cylindrica</i>	सिरु	Blady Grass	H	Poaceae	--

SN.	Botanical Name	Local Name	Common Name	Status	Family	CITES
100	<i>Leersia hexandra</i>	करौते घाँस	Southern Cut Grass	H	Gramineae	--
101	<i>Lippia nodiflora</i> var. rosea	कुरकुरे घाँस	Frog Fruit	H	Verbenaceae	--
102	<i>Ludwigia adscendens</i>	जडेलो	Marshy Jas-mine	H	Onagraceae	--
103	<i>Millettia extensa</i>	गौजो	Dama-nge	CS	Leguminosae	--
104	<i>Mimosa pudica</i>	लज्जावति भार	Touch me not	CrH	Fabaceae	--
105	<i>Oxalis latifolia</i>	चरी अमिलो	Pink Sorrel	H	Oxalidaceae	--
106	<i>Paspalum scrobiculatum</i>	कोदे र जनै घाँस	Kodo Millet	H	Poaceae	--
107	<i>Phragmites karka</i>	नर्कट	Common Reed	H	Graminae	--
108	<i>Phyllanthus urinaria</i>	भुईँ अमला	Leaf flower	H	Euphorbiaceae	--
109	<i>Pterish vittata</i>	बिस उनिऊ	Chinese Brake	H	Pteridaceae	--
110	<i>Saccharum spontaneum</i>	काँस	Kans Grass	H	Poaceae	--
111	<i>Scutellaria repens</i>		Skullcaps	H	Lamiaceae	--
112	<i>Sida acuta</i>	वालु भार	Common Wireweed	S	Malvaceae	--
113	<i>Solanum nigrum</i>	काली गेडी	Black Night-shade	H	Solanaceae	--
114	<i>Spatholobus parviflorus</i>	धेवे लहरा	Sal Lahara	C	Leguminosae	--
115	<i>Tectaria macrodonata</i>	कालो निउरो	Fern	H	Tectariaceae	--
116	<i>Bauhinia vahlii</i>	भोर्ला	Maloo Creeper	WC	Fabaceae	--
117	<i>Curcuma aromatic</i>	हलेदो	Turmeric	H	Zingiberaceae	--
118	<i>Curcuma longa</i>	कालो हलदो	Turmeric	H	Zingiberaceae	--
119	<i>Cissus repens</i>	चरचरे	Njarala	CH	Vitaceae	--
120	<i>Cyperus cuspidatus</i>	जुवाने	Coastal Plain Flatsedge	H	Cyperaceae	--
121	<i>Dioscorea bulbifera</i>	गोठ तरुल	Air Yam	CH	Dioscoreaceae	--
122	<i>Kyllinga brevifolia</i>	डुल्ले मोथे	Sedge Grass	H	Cyperaceae	--
123	<i>Ophioglossum petiolatum</i>	जिब्रे साग	Stalked Ad-der's Tongue	H	Ophioglossaceae	--
124	<i>Paspalum conjugatum</i>	लहरे घाँस	Buffalo Grass	CrH	Poaceae	--
125	<i>Parthenium hysterophorus</i>	वद्मास भार	Whitetop weed	H	Asteraceae	--
126	<i>Parthenocissus semicordata</i>		Himalayan Woodbine	CH	Vitaceae	--

SN.	Botanical Name	Local Name	Common Name	Status	Family	CITES
127	<i>Piper longum</i>	पिपला	Long Pepper	CrH	Piperaceae	--
128	<i>Pogonatherum panicum</i>	खारुकी	Bamboo Grass	H	Poaceae	--
129	<i>Setaria pallidefusca</i>	भुसिले झार	Cattail Grass	H	Poaceae	--
130	<i>Smilax ovalifolia</i>	कुरकुर डाइनो	Sarsaparilla	CH	Smilacaceae	--
131	<i>Solena heterophylla</i>	गोल काँकी	Creeping Cucumber	CrH	Cucurbitaceae	--
132	<i>Stephania elegans</i>	टाप लहरो	Elegant Tape Vine	CH	Menispermaceae	--
133	<i>Pegia nitida</i>	चुती लहरा	-	H	Anacardiaceae	--
134	<i>Buchnanania latifolia</i>	पियारी	chirauli-nut	T	Anacardiaceae	--
135	<i>Hymenodictyon excelsum</i>	लाटि कर्मा	-	T	Rubiaceae	--
136	<i>Desmodium oojeinense</i>	सन्दन	-	T	Leguminosae	--
137	<i>Careya arborea</i>	कुम्भी	-	T	Lecythidaceae	--
138	<i>Ficus benjamina</i>	समी	-	T	Moraceae	--
139	<i>Duabanga grandiflora</i>	लाम्पाते	-	T	Lythraceae	--
140	<i>Pterospermum lanceaefolium</i>	सिंगाने	-	T	Sterculiaceae	--
141	<i>Zingiber cassumunar</i>	वन अदुवा	-	S	Zingiberaceae	--
142	<i>Achyranthes aspera</i>	दतिवन	-	S	Amaranthaceae	--
143	<i>Derris elliptica</i>	देरी	-	ST	Leguminosae	--
144	<i>Ocimum gratissimum</i>	वन तुल्सी	-	H	Ochotonidae	--
145	<i>Rumex dentatus</i>	वाँसपाते	-	G	Tiliaceae	--
146	<i>Senecio cappa</i>	मर्चा झार	-	G	Asteraceae	--
147	<i>Vitis lanata</i>	वन अंगुर	-	GH	Vitaceae	--
148	<i>Garuga pinnata</i>	दवदवे	-	T	Burseraceae	--
149	<i>Fimbristylis miliacea</i>	भ्यानो घाँस	-	G	Cyperaceae	--
150	<i>Ficus bengalensis</i>	वर	-	G	Moraceae	--
151	<i>Tectona grandis</i>	टिक्	-	T	Lamiaceae	--

T=Tree, S=Shrubs, H=Herb, C=Climber, WC=Woody Climber, ST=Small Tree, DT=Dwarf Tree, US=Under Shrub, SS=Scadent Shrub, CS=Climber Shrub, CrH=Creeper Herb, CH=Climber Herb, TG=Tree Grass, S=Shrub

List of Invasive Species

SN	Botanical Name	Local Name	Common Name	Status	Family
152	<i>Parthenium hysterophorus</i>	पार्थेनियम	Parthenum	S	Asteraceae
153	<i>Polygonum barbatum</i>	पिरे झार	Knotweed	H	Polygonaceae
154	<i>Mikania micrantha</i>	माइकेनिया	Bitter Vine	CH	Asteraceae
155	<i>Ageratum houstonianum</i>	गन्धे	flossflower	H	Asteraceae
156	<i>Ageratum conyzoides</i>	गन्धे	Billygoat-weed	H	Asteraceae
157	<i>Chromolaena odorata</i>	वनमारा	Siam Weed	S	Asteraceae
158	<i>Jatropha curcas</i>	सजिवन	Barbados nut	ST	Euphorbiaceae
159	<i>Lantana camara</i>	काँडे फुल	Big Sage	S	Verbenaceae
160	<i>Eupatorium odoratum</i>	कालो वनमारा	Siam Weed	S	Asteraceae

T=Tree, S=Shrubs, H=Herb, C=Climber, WC=Woody Climber, ST=Small Tree, DT=Dwarf Tree, US=Under Shrub, SS=Scadent Shrub, CS=Climber Shrub, CrH=Creeper Herb, CH=Climber Herb, TG=Tree Grass

List of Aquatic Floras

SN.	Scientific name	Common name	Family
161	<i>Typha capensis</i>	पदारे	Typhaceae
162	<i>Typha angustifolia</i>	पदारे	Typhaceae
163	<i>Schoenoplectus paludicola</i>	मौथ	Cyperaceae
164	<i>Schoenoplectus brachyceras</i>	सानो पानी फुली	Cyperaceae
165	<i>Phragmites australis</i>	ठुलो नर्कट	Poaceae
166	<i>Cyperus sexangularis</i>	पानी मौथ	Cyperaceae
167	<i>Cyperus eragrostis</i>	पानी गुड मौथ	Cyperaceae
168	<i>Cyperus dives</i>	पानी मौथ	Cyperaceae
169	<i>Carex austro Africana</i>	सर्पको मकै पाराको लामो घो ङ्गा	Cyperaceae
170	<i>Pentederia cordata</i>	वेसारको पात जस्तै	Pontederiaceae
171	<i>Plantago longissima</i>	ददिवन पाराको	Plantaginaceae
172	<i>Marsilla spp.</i>	चारपाते	
173	<i>Limosella maior</i>	वङ्गाला पात	Scrophulariaceae
174	<i>Floscopa glomerata</i>	वन प्याज जस्तै	Commelinaceae
175	<i>Cyclosorus interruptus</i>	रानीसिन्का जस्तो	Pteridophyta
176	<i>Potamogeton crispus</i>	फुलुङ्गे झार	Potamogetonaceae
177	<i>Egeria densa</i>		Hydrocharitaceae

178	<i>Trapa natans</i>	सिंगडा	Lythraceae
179	<i>Nymphoides thumbergiana</i>	बंगाला पात कमल	Menyanthaceae
180	<i>Nymphoides species</i>	वादो हरीया कमल	Menyanthaceae
181	<i>Nymphoides Mexicana</i>	सेता फुल अर्का कमल	Menyanthaceae
182	<i>Nymphoides nouchalia</i>		Menyanthaceae
183	<i>Hydrocleyes nymphoides</i>	कमल पारा देखिने	Alismataceae
184	<i>Spiraea bella</i>	सेतो खरेटो	Rosaceae
185	<i>Hymenodictyon excelsum</i>	सेतो काठ	Rubiaceae
186	<i>Myrsine capitellata</i>	सेती काठ	Myrsinaceae
187	<i>Nymphae esculenta</i>	सेतो कमल	Nymphaeaceae
188	<i>Cyperus niveus</i>	सेतो मौथ	Cyperaceae

List of Aquatic Invasive Plant Species

SN.	Botanical Name	Local Name	Common Name	Status	Family
189	<i>Azolla imbricata</i>	वन्दा भार	Water velvet	WG	Salviniaceae
190	<i>Nelumbo nucifera</i>	कमल	Red Kamal	WF	Nymphaeaceae
191	<i>Eichhornia crassipes</i>	जलकुम्भी	Water hyacinth	WG	Pontederiaceae
192	<i>Trapa quadrispinosa</i>	सिंगडा	Trapa	WG	Trapaceae
193	<i>Ipomoea carnea</i>	अजामरी	Morning glory	S	Convolvulaceae
194	<i>Cyperus spp.</i>	सिज	Sedge	G	Cyperaceae
195	<i>Ludwigia adscendens</i>	जडेलो	Marshy Jasmine	H	Onagraceae
196	<i>Lemna Spp</i>		Duckweed	W	Araceae
197	<i>Ceratophyllum demersum</i>		Hornwort	WG	Ceratophyllaceae
198	<i>Hydrilla verticillata</i>	खाँसी	Hydrilla	WG	Hydrocharitaceae
199	<i>Najas minor</i>		Water nymph	WG	Najadaceae

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ANNEX B: List of Mammals

S.N.	Scientific Name	Common Name	Family	IUCN	CITES
1.	<i>Panthera tigris</i>	Royal Bengal Tiger	Felidae	EN	I
2.	<i>Panthera pardus</i>	Common Leopard	Felidae	V	I
3.	<i>Rhinoceros unicornis</i>	Greater one horned rhino	Rhinocerotidae	V	I
4.	<i>Felis chaus</i>	Jungle Cat	Felidae	LC	II
5.	<i>Melursus ursinus</i>	Sloth bear	Ursidae	V	I
6.	<i>Canis aureus</i>	Golden jackal	Canidae	V	---
7.	<i>Vulpes bengalensis</i>	Bengal fox	Canidae	LC	---
8.	<i>Elephas maximus</i>	Asian Elephant	Elephantidae	EN	I
9.	<i>Bos gaurus</i>	Gaur	Bovidae	V	I
10.	<i>Viverra zibetha</i>	Large Indian civet	Viverridae	LC	--
11.	<i>Viverricula indica</i>	Small Indian civet	Viverridae	LC	--
12.	<i>Paradoxurus hermaphroditus</i>	Common palm civet	Viverridae	LC	--
13.	<i>Paguma larvata</i>	Masked palm civet	Viverridae	LC	--
14.	<i>Axis axis</i>	Chital	Cervidae	LC	--
15.	<i>Muntiacus muntjak</i>	Barking deer	Cervidae	LC	--
16.	<i>Axis porcinus</i>	Hog deer	Cervidae	EN	--
17.	<i>Cervus unicolor</i>	Sambar	Cervidae	V	--
18.	<i>Sus scrofa</i>	Wild pig	Suidae	LC	--
19.	<i>Lepus nigricollis</i>	Indian hare	Leporidae	LC	--
20.	<i>Funambulus pennantii</i>	Five striped palm squirrel	Sciuridae	LC	
21.	<i>Herpestes urva</i>	Crab eating mongoose	Herpestidae	LC	
22.	<i>Herpestes edwardsii</i>	Indian grey mongoose	Herpestidae	LC	--
23.	<i>Herpestes javanicus</i>	Asian small mongoose	Herpestidae	LC	--
24.	<i>Martes flavigula</i>	Yellow throated marten	Mustelinae	LC	--
25.	<i>Hystrix indica</i>	Indian crested porcupine	Hystriidae	LC	--
26.	<i>Semnopithecus hector</i>	Terai grey Langur	Cercopithecidae	NT	I
27.	<i>Macaca mulatta</i>	Rhesus macaque	Cercopithecidae	LC	II
28.		Rat	Unidentified		--

ANNEX C: BAT

Details of observed and captured species in study area:

SN.	Scientific name	Common name	Family	IUCN
29.	<i>Cynopterus sphinx</i>	Greater Short-nosed Fruit Bat	Pteropodidae	LC
30.	<i>Pipistrellus</i> sp.		Vespertilionidae	----
31.	<i>Scotophilus heathi</i>	Greater Asiatic Yellow House Bat	Vespertilionidae	LC
32.	<i>Miniopterus pusillus</i>	Small Long-fingered Bat	Miniopteridae	LC

ANNEX D: HERPETOFAUNA

S.N.	Common Name	Scientific Name	IUCN Status	Status in study Beeshazar Lake	CITES	Remark
Amphibians						
1	Common Asian Toad	<i>Duttaphrynus melanostictus</i>	LC	Common		
2	Marbled Toad	<i>Duttaphrynus stomaticus</i>	LC	Common		
3	Syhadra frog	<i>Fejarvya sahyadrensis</i>	LC	Common		
4	Terai frog	<i>Fejarvarya teraiensis</i>	LC	Common		
5	Pirrie frog	<i>Fejarvarya pierrii</i>				
6	Tiger frog/ Indian Bull frog	<i>Hoplobatrachus tigerinus</i>	LC	Common	II	
7	Painted frog	<i>Kaloula pulchra</i>	LC	Rare		
8	Chunam Tree frog	<i>Polypedates maculates</i>	LC	Common		
9	Terai/six-lined tree frog	<i>Polypedates taeniatus</i>	LC	Common		
10	Ornate mouthed frog	<i>Microhyla ornata</i>		Common		
11	Maskey's frog	<i>Sphaerotheca maskeyii</i>		Rare		
12	Minervarya frog	<i>Minervarya</i> sp.		Rare		First record from Nepal
Reptiles						
13	Common garden lizard	<i>Calotes versicolor</i>	LC	Common	I	
14	Bengal Monitor Lizard	<i>Varanus bengalensis</i>			I	
15	Golden Monitor Lizard	<i>Varanus flavescens</i>	LC	Rare		Schedule-I, NPWC, Act- 1973
16	Common grass skink	<i>Eutropis carinata</i>	LC			
17	Bronze grass skink	<i>Eutropis macularia</i>				
18	Sal forest skink	<i>Sphenomorphus maculatus</i>				
19	Yellow bellied house gecko	<i>Hemidactylus flaviviridis</i>				
20	Brook's gecko	<i>Hemidactylus brookii</i>				

21	Common house gecko	<i>Hemidactylus frenatus</i>				
22	Asian Rat snake	<i>Ptyas mucosa</i>				
23	Burmese python	<i>Python bivittatus</i>				
24	Common Cobra	<i>Naja naja</i>				
25	Banded Kukri	<i>Oligodon arnensis</i>				
26	Common Cat snake	<i>Boiga trigonata</i>				
27	Common vine snake	<i>Ahaetulla nasuta</i>				
28	Striped keel back	<i>Amphiesma stolata</i>				
29	Checkered keel back	<i>Xenochrophis piscator</i>				
30	Common blind snake	<i>Typhlops sp.</i>				
31	Mugger crocodile	<i>Crocodylus palustris</i>				

ANNEX E: BIRDS

SN.	Scientific name	English name	Nepali name	IUCN	CITES
1.	Phasianidae				
1.	<i>Francolinus francolinus</i>	Back francolin	तित्रा	LC	--
2.	<i>Gallus gallus</i>	Red junglefowl	लुईचे	LC	--
3.	<i>Pavo cristatus</i>	Indian Peafowl	मयुर	LC	--
2.	Turnicidae			LC	--
4	<i>Turnix sylvatica</i>	Small Buttonquail	सानो गट्टेबट्टाई	LC	--
3.	Dendrocygnidae				
5.	<i>Dendrocygna javanica</i>	Lesser Whistling duck	सिलसिले	LC	--
4	Anatidae				
6	<i>Anas acuta</i>	Northern Pintail	सुइरोपुच्छे	LC	--
7	<i>Anas clypeata</i>	Northern Shoveler	बेल्चाठुडे हाँस	LC	--
8	<i>Anas crecca</i>	Common Teal	बिजुलागैरी	LC	--
9.	<i>Anas Penelope</i>	Eurasean Wigeon	सिन्दुरे हाँस	LC	--
10.	<i>Anas platyrhynchos</i>	Mallard	हरियोटाउके हाँस	LC	--
11	<i>Anas strepera</i>	Gadwall	खडखडे हाँस	LC	--
12	<i>Aythya ferina</i>	Common Pochard	कैलोटाउके हाँस	VU	--
13	<i>Aythya fuligula</i>	Tufted Duck	कालीजुरे हाँस	LC	--
14	<i>Aythya nyroca</i>	Ferruginous Pochard	मालक हाँस	NT	--
15	<i>Bucephala clangula</i>	Common Goldeneye	स्वर्णनयन हाँस	LC	--
16	<i>Nettapus coromandelianus</i>	Cotton Pygmy-goose	हरिहाँस	LC	--

SN.	Scientific name	English name	Nepali name	IUCN	CITES
17	<i>Rhodonessa rufina</i>	Red Crested Pochard	सुनजुरे हाँस	LC	--
18	<i>Tadorna ferruginae</i>	Ruddy Shelduck	चखेवा	LC	--
19	<i>Mergellus albellus</i>	Smew	देवदुत मडीतुन्डक	LC	--
5	Picidae			LC	--
20	<i>Celeus brachyurus</i>	Rufous Woodpecker	सानो तामे काष्ठकूट	LC	--
21	<i>Chrysocolaptes lucidus</i>	Greater Flameback	गर्दनथोप्ले लाहाँचे	LC	--
22	<i>Dendrocopus conicapillus</i>	Grey capped Pygmy Woodpecker	फुसेटाउके काष्ठकूट	LC	--
23	<i>Dendrocopus macei</i>	Fulvous-breasted Woodpecker	काष्ठकूट	LC	--
24	<i>Dinopium benghalense</i>	Black rumped Flameback	कालोढाडे लाहाँचे	LC	--
25	<i>Dinopium shorii</i>	Himalayan Flameback	तीनऔले लाहाँचे	LC	--
26	<i>Jynx torquilla</i>	Eurasean Wryneck	खरलाहाँचे	LC	--
27	<i>Picus canus</i>	Grey headed Woodpecker	कालोगदँने काठफोर	LC	--
28	<i>Picus chlorolophus</i>	Lesser Yellownape	सुनजुरे काठफोर	LC	--
29	<i>Chrysophlegma flavinucha</i>	Greater Yellownape	ठूलो सुनजुरे काठफोर	LC	--
30	<i>Picus squamatus</i>	Scaly-bellied Woodpecker	ठूलोकत्ले काठफोर	LC	--
31	<i>Picus xanthopygaeus</i>	Streak-throated Woodpecker	कत्ले काठफोर	LC	--
6	Megalaimidae				
32	<i>Psilopogon asiaticus</i>	Blue-throated Barbet	कुथुर्के	LC	--
33	<i>Psilopogon haemacephalus</i>	Coppersmith Barbet	सानुन्याउली(मिलचरा)	LC	--
34	<i>Psilopogon lineatus</i>	Lineated Barbet	छिर्के कुथुर्के	LC	--
35	<i>Psilopogon virens</i>	Great Barbet	न्याउली	LC	--
7	Bucerotidae				
36	<i>Anthraceroceros albirostris</i>	Oriental Pied Hornbill	कालो धनेश	LC	I
37	<i>Buceros bicornis</i>	Great Hornbill	राज धनेश	NT	I
38	<i>Ocyrceros birostris</i>	Indian Grey Hornbill	खैरो धनेश	LC	--
8	Upupidae				
39	<i>Upupa epops</i>	Common Hoopoe	फाप्पे चरा (दशैचरा)	LC	--
9	Coraciidae				
40	<i>Coracias benghalensis</i>	Indian Roller	ठेउवा	LC	--
41	<i>Eurystomus orientalis</i>	Dollarbird	निलठेउवा	LC	--
10	Meropidae				
42	<i>Merops leschenaulti</i>	Chestnut-headed Bee-eater	कटुसटाउके मुरलीचरा	LC	--

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43	<i>Merops orientalis</i>	Green Bee-eater	मुरली चरा	LC	--
44	<i>Merops philippinus</i>	Blue-tailed Bee-eater	नीलपुच्छे मुरलीचरा	LC	--
11	<i>Nyctyornis athertoni</i>	Blue-bearded Bee-eater	निलकण्ठे मुरलीचरा	LC	--
45	Alcedinidae				
46	<i>Alcedo atthis</i>	Common Kingfisher	सानो माटीकोरे	LC	--
47	<i>Alcedo meninting</i>	Blue-eared Kingfisher	नीलकर्ण माटीकोरे	LC	--
12	Halcyonidae				
48	<i>Pelargopsis capensis</i>	Stork-billed Kingfisher	ठुलो माटीकोरे	LC	--
49	<i>Halcyon pileata</i>	Black-capped Kingfisher	कालोटाउके माटोकोरे	LC	--
50	<i>Halcyon smyrnensis</i>	White-throated Kingfisher	सेतोकण्ठे माटोकोरे	LC	--
13	Cerylidae				
51	<i>Ceryle rudis</i>	Pied Kingfisher	छिरबिरे माटोकोरे	LC	--
14	Cuculidae				
52	<i>Cacomantis passerinus</i>	Grey-bellied Cuckoo	सुवी कोईली	LC	--
53	<i>Cacomantis sonneratii</i>	Banded Bay Cuckoo	धर्के खैरो कोईली	LC	--
54	<i>Clamator coromandus</i>	Chestnut-winged Cuckoo	ठुलो जुरे कोईली	LC	--
55	<i>Clamator jacobinus</i>	Pied Cuckoo-Jacobinus cuckoo	जुरे कोईली	LC	--
56	<i>Cuculus canorus</i>	Eurasian Cuckoo	कुक्कु (कोईली)	LC	--
57	<i>Cuculus micropterus</i>	Indian Cuckoo	काफल पाक्यो	LC	--
58	<i>Cuculus poliocephalus</i>	Lesser Cuckoo	सानु कोईली	LC	--
59	<i>Eudynamys scolopacea</i>	Asian Koel	कोईली	LC	--
60	<i>Hierococcyx sparverioides</i>	Large Hawk Cuckoo	बीउ कुहियो(भैरवचरा)	LC	--
61	<i>Hierococcyx varius</i>	Common Hawk Cuckoo	लेखाली बीउ कुईयो	LC	--
62	<i>Phaenicophaeus tristis</i>	Green-billed Malkoha	हरित मालकौवा	LC	--
63	<i>Surniculus lugubris</i>	Drongo Cuckoo	चिवे कोईली	LC	--
15	Centropodidae				
64	<i>Centropus bengalensis</i>	Lesser Coucal	सानो गोकुल	LC	--
65	<i>Centropus sinensis</i>	Greater Coucal	ढोडे गोकुल (कौवा)	LC	--
16	Psittacidae			LC	--
66	<i>Psittacula alexandri</i>	Red-breasted Parakeet	कागभेला सुगा	NT	II
67	<i>Psittacula cyanocephala</i>	Plum-headed Parakeet	टुईसी सुगा	LC	II
68	<i>Psittacula eupatria</i>	Alexandrine Parakeet	कर्रा सुगा	NT	II
69	<i>Psittacula krameri</i>	Rose-ringed Parakeet	कण्ठे सुगा	LC	--
17	Apodidae				
70	<i>Apus (affinis nipalensis)</i>	House Swift	फिरफिरे घर गौथली	LC	--

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71	<i>Aerodramus brevirostris</i>	Himalayan Swiftlet	चिचिका गौथली	LC	--
72	<i>Hirundapus cochinchinensis</i>	Silver-backed Needletail	चाँदीढाडे गौथली	LC	--
73	<i>Zoonavena sylvatica</i>	White-rumped Needletail	सानो वन गौथली	LC	--
18	Hemiprocridae				
74	<i>Hemiprocne coronata</i>	Crested Treeswift	जुरे गौथली	LC	--
19	Strigidae				
75	<i>Athene brama</i>	Spotted Owlet	कोचलगाडे लाटोकोसेरो	LC	II
76	<i>Bubo nipalensis</i>	Spot-bellied Eagle Owl	कत्ले उल्लु	LC	II
77	<i>Glaucidium cuculoides</i>	Asian Barred Owlet	पाटे लाटोकोसेरो	LC	II
78	<i>Glaucidium radiatum</i>	Jungle Owlet	कुरकुरे लाटोकोसेरो	LC	II
79	<i>Ketupa zeylonensis</i>	Brown Fish Owl	हुँचील	LC	II
80	<i>Ninox scutulata</i>	Brown Hawk Owl	हुक्के लाटोकोसेरो	LC	II
81	<i>Otus (bakkamoena) lettia</i>	Collared Scops Owl	चित्री उलुक	LC	II
82	<i>Otus sunia</i>	Oriental Scops Owl	लोखर्के उलुक	LC	II
20	Caprimulgidae				
83	<i>Caprimulgus affinis</i>	Savanna Nightjar	चुइयाँ चैतेचरा	LC	--
84	<i>Caprimulgus macrurus</i>	Large-tailed Nightjar	लामपुच्छे चैतेचरा	LC	--
21	Columbidae				
85	<i>Chalcophaps indica</i>	Emerald Dove	सुन ढुकुर	LC	--
86	<i>Columba palumbus</i>	Common Wood Pigeon	ठूलो बनपरेवा	LC	--
87	<i>Streptopelia chinensis</i>	Spotted Dove	कुर्ले ढुकुर	LC	--
88	<i>Streptopelia decaocto</i>	Eurasian Collared Dove	कण्ठे ढुकुर	LC	--
89	<i>Streptopelia orientalis</i>	Oriental Turtle Dove	तुम्मे ढुकुर	LC	--
90	<i>Streptopelia tranquebarica</i>	Red Collared Dove	ताँमे ढुकुर	LC	--
91	<i>Treron bicincta</i>	Orange-breasted Green Pigeon	सुन्तलेछाती हलेसो	LC	--
92	<i>Treron phoenicoptera</i>	Yellow-footed Green Pigeon	ठूलो हलेसो	LC	--
93	<i>Treron pompadora</i>	Pompadour Green Pigeon	फुस्रोटाउके हलेसो	LC	--
22	Rallidae				
94	<i>Zapornia akool</i>	Brown Crake	ध्वासे सिमकुखुरा	LC	--
95	<i>Amaurornis phoenicurus</i>	White-breasted Waterhen	सिमकुखुरा	LC	--
96	<i>Fulica atra</i>	Common Coot	सेतोथाप्ले सिमकुखुरा	LC	--
97	<i>Gallicrex cinerea</i>	Watercock	जलकुखुरा	LC	--
98	<i>Gallinula chloropus</i>	Common Moorhen	बगाले सिमकुखुरा	LC	--

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99	<i>Porphyrio porphyrio</i>	Purple Swamphen	कुर्मा	LC	--
100	<i>Zapornia fusca</i>	Ruddy-breasted Crake	घोल कस्दरी	LC	--
23	Scolopacidae				
101	<i>Actitis hypoleucos</i>	Common Sandpiper	चञ्चले सुडसुडीया	LC	--
102	<i>Calidris minuta</i>	Little Stint	कालीखुट्टे जलरङ्ग	LC	--
103	<i>Calidris temminckii</i>	Temminck's Stint	जलरङ्ग	LC	--
104	<i>Gallinago gallinago</i>	Common Snipe	पानी चाहा	LC	--
105	<i>Gallinago stenura</i>	Pin-tail Snipe	भरक चाहा	LC	--
106	<i>Limosa limosa</i>	Black-tailed Godwit	मलगुभा	NT	--
107	<i>Scolopax rusticola</i>	Eurasian Woodcock	ठूलो चाहा	LC	--
108	<i>Tringa glareola</i>	Wood Sandpiper	बन सुडसुडीया	LC	--
109	<i>Tringa nebularia</i>	Common Greenshank	टिमटिमा	LC	--
110	<i>Tringa ochropus</i>	Green Sandpiper	रुख सुडसुडीया	LC	--
111	<i>Tringa totanus</i>	Common Redshank	लालखुट्टे टिमटिमा	LC	--
24	Rostratulidae				
112	<i>Rostratula benghalensis</i>	Greater Painted-snipe	चित्राङ्गद	LC	--
25	Jacanidae				
113	<i>Hydrophasianus chirurgus</i>	Pheasant-tailed Jacana	जलअप्सरा	LC	--
114	<i>Metopidius indicus</i>	Bronze-winged Jacana	कमल चरी	LC	--
26	Burhinidae				
115	<i>Burhinus oedipnemos</i>	Indian(Eurasian) Thick-knee	बगर बट्टाई	LC	--
27	Charadriidae				
116	<i>Charadrius alexandrinus</i>	Kentish Plover	अलकचन्द्र राजपुत्रिका	LC	--
117	<i>Charadrius dubius</i>	Little Ringed Plover	लघु राजपुत्रिका	LC	--
118	<i>Haematopus ostralegus</i>	Eurasian Oystercatcher	सिपी चरा	NT	--
119	<i>Himantopus himantopus</i>	Black-winged Stilt	प्रवालपाद	LC	--
120	<i>Pluvialis fulva</i>	Pacific Golden Plover	प्रशान्त सर्षपी	LC	--
121	<i>Vanellus cinereus</i>	Grey-headed Lapwing	खरानीटाउके हुटिदयाउ	LC	--
122	<i>Vanellus duvaucelii</i>	River Lapwing	खोले हुटिदउ	NT	--
123	<i>Vanellus indicus</i>	Red-wattled Lapwing	हुटिदयाउ	LC	--
124	<i>Vanellus malarbaricus</i>	Yellow-wattled Lapwing	पयेलो गाले हुटिदउ	LC	--
125	<i>Vanellus vanellus</i>	Northern Lapwing	जुरे हुटिदयाउ	NT	--
28	Glareolidae				
126	<i>Glareola lactea</i>	Small Pratincole	पानीगौथली	LC	--
29	Laridae				

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127	<i>Sterna aurantia</i>	River Tern	कुरारी फ्यालफ्याले	NT	--
128	<i>Sterna hirundo</i>	Common Tern	वायु फ्यालफ्याले	LC	--
30	Accipitridae				
129	<i>Accipiter badius</i>	Shikra	शिक्रा	LC	II
130	<i>Accipiter nisus</i>	Eurasian Sparrowhawk	वनबाज	LC	II
131	<i>Accipiter trivirgatus</i>	Crested Goshawk	कल्की बाज	LC	II
132	<i>Accipiter virgatus</i>	Besra	बेसरा	LC	II
133	<i>Aegypius monachus</i>	Cinereous Vulture	राज गिद्ध	LC	II
134	<i>Clanga clanga</i>	Greater Spotted Eagle	जीवहार महाचील	NT	II
135	<i>Clanga hastata</i>	Indian Spotted Eagle	लघु महाचील	VU	II
136	<i>Aquila nipalensis</i>	Steppe Eagle	गोमायु महाचील	EN	II
137	<i>Aviceda leuphotes</i>	Black Baza	काले जुरेबाज	LC	
138	<i>Butastur teesa</i>	White-eyed Buzzard	जमल श्वेतबाज	LC	
139	<i>Buteo buteo</i>	Common Buzzard	श्येनबाज	LC	
140	<i>Buteo rufinus</i>	Long-legged Buzzard	लामुखुट्टे श्येनबाज	CR	
141	<i>Circus cyaneus</i>	Hen Harrier	चल्लाचोर भुईचील	LC	
142	<i>Circus melanoleucos</i>	Pied Harrier	माले भुईचील	LC	
143	<i>Elanus caeruleus</i>	Black-shouldered Kite	मुसे चील	LC	
144	<i>Gyps bengalensis</i>	White-rumped Vulture	डंगर गिद्ध	CR	II
145	<i>Gyps fulvus</i>	Eurasian Griffon	खैरो गिद्ध	LC	II
146	<i>Gyps himalayensis</i>	Himalayan Griffon	हिमाली गिद्ध	NT	II
147	<i>Gyps tenuirostris</i>	Slender-billed Vulture	सानो खैरो गिद्ध	CR	II
148	<i>Haliaeetus albicilla</i>	White-tailed Eagle	कङ्गम चील	LC	II
149	<i>Haliaeetus leucoryphus</i>	Pallas's Fish Eagle	बोक्सी चील	--	II
150	<i>Hieraaetus pennatus</i>	Booted Eagle	काँधचन्द्र चील	LC	II
151	<i>Ichthyophaga ichthyaetus</i>	Grey-headed Fish Eagle	माछाकुल	LC	II
152	<i>Ictinaetus malayensis</i>	Black Eagle	द्रोणक चील	LC	II
153	<i>Milvus migrans</i>	Black Kite	कालो चील	LC	II
154	<i>Neophron percnopterus</i>	Egyptian Vulture	सेतो गिद्ध	EN	II
155	<i>Pandion haliaetus</i>	Osprey	मलाहा चील	LC	II
156	<i>Pernis ptilorhyncus</i>	Oriental Honey-buzzard	मधु चिल	LC	II
157	<i>Sarcogyps calvus</i>	Red-headed Vulture	सुन गिद्ध	CR	II
158	<i>Spilornis cheela</i>	Crested Serpent Eagle	काकाकुल	LC	II
159	<i>Spizaetus cirrhatus</i>	Changeable Hawk Eagle	शदलचील	LC	II
31	Falconidae				

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160	<i>Falco chicquera</i>	Red-necked Falcon	रातो टाउके बौडाइ	NT	II
161	<i>Falco peregrinus</i>	Peregrine Falcon	शाही बाज	LC	II
162	<i>Falco tinnunculus</i>	Common Kestrel	बौडाइ	LC	II
163	<i>Microhierax caerulescens</i>	Collared Falconet	पौरी बाज	LC	II
32	Podicipedidae				
164	<i>Podiceps cristatus</i>	Great Crested Grebe	सिउरे डुबुल्कीचरा	LC	--
165	<i>Podiceps nigricollis</i>	Black-necked Grebe	कालीकण्ठे डुबुल्कीचरा	LC	--
166	<i>Tachybaptus ruficollis</i>	Little Grebe	डुबुल्कीचरा	LC	--
33	Anhingidae				
167	<i>Anhinga melanogaster</i>	Darter	सुइरोठूँडे	NT	--
34	Phalacrocoracidae				
168	<i>Phalacrocorax carbo</i>	Great Cormorant	जलेवा	LC	--
169	<i>Phalacrocorax niger</i>	Little Cormorant	सानो जलेवा	LC	--
35	Ardeidae				
170	<i>Ardea cinerea</i>	Grey Heron	फुसे बकुल्ला	LC	--
171	<i>Ardea purpurea</i>	Purple Heron	प्याजी बकुल्ला	LC	--
172	<i>Ardeola grayii</i>	Indian Pond Heron	भग्ती बकुल्ला	LC	--
173	<i>Bubulcus ibis</i>	Cattle Egret	वस्तु बकुल्ला	LC	--
174	<i>Butorides striatus</i>	Little Heron/Striated Heron	छोटोखुट्टे बकुल्ला	--	--
175	<i>Ardea alba</i>	Great Egret	ठुलो सेतोबकुल्ला	LC	--
176	<i>Egretta garzetta</i>	Little Egret	सानु सेतोबकुल्ला	LC	--
177	<i>Ixobrychus cinnamomeus</i>	Cinnamon Bittern	गेरु बकुल्ला	LC	--
178	<i>Ixobrychus sinensis</i>	Yellow Bittern	पहेलो जुनबकुल्ला	LC	--
179	<i>Mesophoyx intermedia</i>	Intermediate Egret	मझौला सेतोबकुल्ला	LC	--
180	<i>Nycticorax nycticorax</i>	Black-crowned Night Heron	देउकाग	LC	--
36	Threskiornithidae			LC	--
181	<i>Pseudibis papillosa</i>	Black Ibis/Red-naped Ibis	करा साँवरी	LC	--
37	Ciconiidae			LC	--
182	<i>Anastomus oscitans</i>	Asian Openbill	चिम्टे गरुड	LC	--
183	<i>Ciconia episcopus</i>	Woolly-necked Stork	कपासकण्ठे गरुड	LC	--
184	<i>Ciconia nigra</i>	Black Stork	कालो गरुड	LC	--
185	<i>Leptoptilos javanicus</i>	Lesser Adjutant	भुँडीफोर गरुड	VU	--
38	Pittidae				
186	<i>Pitta brachyura</i>	Indian Pitta	गाजले पिट्टा	LC	--

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187	<i>Pitta sordida</i>	Hooded Pitta	चित्रक पिट्टा	LC	--
39	Irenidae				
188	<i>Chloropsis aurifrons</i>	Golden-fronted Leafbird	कृष्णकण्ठे हरितचरी	LC	--
40	Laniidae				
189	<i>Lanius cristatus</i>	Brown Shrike	खौरो भद्राई	LC	--
190	<i>Lanius schach</i>	Long-tailed Shrike	भद्राई	LC	--
191	<i>Lanius tephronotus</i>	Grey-backed Shrike	हिमाली भद्राई	LC	--
41	Corvidae				
192	<i>Aegithina tiphia</i>	Common Iora	सुसेलीचरी	LC	--
193	<i>Artamus fuscus</i>	Ashy Woodswallow	भिथुन	LC	--
194	<i>Coracina macei</i>	Large Cuckooshrike	लट्शक विरहीचरा	LC	--
195	<i>Coracina melanoptera</i>	Black-headed Cuckooshrike	कालोटाउके विरहीचरा	LC	--
196	<i>Coracina melaschistos</i>	Black-winged Cuckooshrike	कालो विरहीचरा	LC	--
197	<i>Corvus macrorhynchos</i>	Large-billed Crow	कालो कौवा	LC	--
198	<i>Corvus splendens</i>	House Crow	कण्ठे काग	LC	--
199	<i>Dendrocitta vagabunda</i>	Rufous Treepie	कोकले	LC	--
200	<i>Dicrurus aeneus</i>	Bronzed Drongo	आकासे चिबे	LC	--
201	<i>Dicrurus annectans</i>	Crow-billed Drongo	कागठूडे चिबे	LC	--
202	<i>Dicrurus hottentottus</i>	Spangled Drongo	केशराज चिबे	LC	--
203	<i>Dicrurus leucophaeus</i>	Ashy Drongo	ध्वाँसे चिबे	LC	--
204	<i>Dicrurus macrocercus</i>	Black Drongo	चिबे	LC	--
205	<i>Dicrurus paradiseus</i>	Greater Racket-tailed Drongo	भीमराज चिबे	LC	--
206	<i>Dicrurus remifer</i>	Lesser Racket-tailed Drongo	भृङ्गराज चिबे	LC	--
207	<i>Hemipus picatus</i>	Bar-winged Flycatcher-shrike	आसकोटे चरी	LC	--
208	<i>Hypothymis azurea</i>	Black-naped Monarch	कालोगर्दन राजचरी	LC	--
209	<i>Oriolus oriolus</i>	India (Eurasian) Golden Oriole	गाजले सुनचरी	LC	--
210	<i>Oriolus xanthornus</i>	Black-hooded Oriole	कालोटाउके सुनचरी	LC	--
211	<i>Pericrocotus cinnamomeus</i>	Small Minivet	सानो रानीचरी	LC	--
212	<i>Pericrocotus flammeus</i>	Scarlet Minivet	सिमृक रानीचरी	LC	--
213	<i>Pericrocotus roseus</i>	Rosy Minivet	गुलाफी रानीचरी	LC	--
214	<i>Rhipidura albicollis</i>	White-throated Fantail	नक्कले मारुनीचरी	LC	--
215	<i>Rhipidura aureola</i>	White-browed Fantail	कुमथोप्ले मारुनीचरी	LC	--

SN.	Scientific name	English name	Nepali name	IUCN	CITES
216	<i>Tephrodornis gularis/virgatus</i>	Large Woodshrike	ठुलो टेन्था	LC	--
217	<i>Tephrodornis pondicerianus</i>	Common Woodshrike	टेन्था	LC	--
218	<i>Terpsiphone paradisi</i>	Asian Paradise-flycatcher	स्वर्गचरी	LC	--
219	<i>Urocissa erythrorhyncha</i>	Red-billed Blue Magpie	स्यालपोथरी लामपुच्छे	LC	--
42	Muscicapidae			LC	--
220	<i>Chaimarrornis leucocephalus</i>	White-capped Water Redstart	सेतोटाउके जलखञ्जरी	LC	--
221	<i>Copsychus malabaricus</i>	White-rumped Shama	सामा	LC	--
222	<i>Copsychus saularis</i>	Oriental Magpie Robin	धोबिनी चरा	LC	--
223	<i>Culicicapa ceylonensis</i>	Grey-headed Canary Flycatcher	चञ्चले अर्जुनक	LC	--
224	<i>Cyornis poliogenys</i>	Pale-Chinned Flycatcher	नौनीकण्ठे अर्जुनक	LC	--
225	<i>Enicurus immaculatus</i>	Black-backed Forktail	कालोढाडे खोलेघोबिनी	LC	--
226	<i>Enicurus schistaceus</i>	Slaty-backed Forktail	फुस्रोढाडे खोलेघोबिनी	LC	--
227	<i>Enicurus scouleri</i>	Little Forktail	गंगा खोलेघोबिनी	LC	--
228	<i>Eumyias thalassina</i>	Verditer Flycatcher	नीलतुथो अर्जुनक	LC	--
229	<i>Ficedula hodgsonii</i>	Slaty-backed Flycatcher	नीलढाडे अर्जुनक	LC	--
230	<i>Ficedula albicilla</i>	Taiga Flycatcher	रातोकण्ठे अर्जुनक	LC	--
231	<i>Luscinia calliope</i>	Siberian Rubythroat	साइबेरियन रातोकण्ठ	LC	--
232	<i>Luscinia pectoralis</i>	White-tailed Rubythroat	हिमाली रातोकण्ठ	LC	--
233	<i>Luscinia svecica</i>	Bluethroat	भुमिचर नीलकण्ठ	LC	--
234	<i>Monticola solitarius</i>	Blue Rock Thrush	उमा चाँचर	LC	--
235	<i>Muscicapa dauurica</i>	Asian Brown Flycatcher	धूसर अर्जुनक	LC	--
236	<i>Muscicapa ruficauda</i>	Rusty-tailed Flycatcher	कैलोपुच्छे अर्जुनक	LC	--
237	<i>Muscicapa sibirica</i>	Dark-sided Flycatcher	ध्वाँसे अर्जुनक	LC	--
238	<i>Myiomela leucura</i>	White-tailed Robin	सेतोपुच्छे खञ्जरी	LC	--
239	<i>Myophonus caeruleus</i>	Blue Whistling Thrush	कल्चौडे	LC	--
240	<i>Phoenicurus ochruros</i>	Black Redstart	ध्याप्ची खञ्जरी	LC	--
241	<i>Rhyacornis fuliginosus</i>	Plumbeous Water Redstart	नीलाम्बर जलखञ्जरी	LC	--
242	<i>Saxicola caprata</i>	Pied Bushchat	काले भ्याप्सी	LC	--
243	<i>Saxicola ferrea</i>	Grey Bushchat	हिमाली भ्याप्सी	LC	--
244	<i>Saxicola leucura</i>	White-tailed Stonechat	काँसे भ्याप्सी	LC	--
245	<i>Saxicola torquata</i>	Common Stonechat	भेकभेक भ्याप्सी	LC	--
246	<i>Turdus ruficollis</i>	Red-throated Thrush	रातोकण्ठे चाँचर	LC	--

SN.	Scientific name	English name	Nepali name	IUCN	CITES
247	<i>Turdus (atrogularis) ruficollis</i>	Dark-throated Thrush	बगाले चाँचर	LC	--
248	<i>Turdus unicolor</i>	Tickell's Thrush	फुस्रे चाँचर	LC	--
249	<i>Zoothera citrina</i>	Orange-headed Thrush	सुन्तले चाँचरा	LC	--
250	<i>Zoothera dauma</i>	Scaly Thrush	गोब्रे चाँचर	LC	--
43	Sturnidae			LC	--
251	<i>Acridotheres fuscus</i>	Jungle Myna	काली सारौं	LC	--
252	<i>Acridotheres ginginianus</i>	Bank Myna	भित्ते सारौं	LC	--
253	<i>Acridotheres tristis</i>	Common Myna	डाङ्ग्रे सारौ	LC	--
254	<i>Gracula religiosa</i>	Common Hill Myna	मैना चरी	LC	II
255	<i>Saroglossa spiloptera</i>	Spot-winged Starling	कटुसकण्ठे सारौ	LC	--
256	<i>Sturnus contra</i>	Asian Pied Starling	कर्चुली मैना	LC	--
257	<i>Sturnus malabaricus</i>	Chestnut-tailed Starling	बगाले सारौ	LC	--
258	<i>Sturnus pagodarum</i>	Brahminy Starling	जुरे सारौ	LC	--
44	Sittidae				
259	<i>Sitta (cinnamoventris) castanea</i>	Chestnut-bellied Nuthatch	कटुसे मट्टा	LC	--
260	<i>Sitta frontalis</i>	Velvet-fronted Nuthatch	मखमली मट्टा	LC	--
45	Paridae				
261	<i>Parus major</i>	Great Tit	चिचिल्कोटे	LC	--
46	Hirundinidae				
262	<i>Hirundo rustica</i>	Barn Swallow	घर गौथली	LC	--
263	<i>Hirundo (Cecropis) daurica</i>	Red-rumped Swallow	गेरुकटी गौथली	LC	--
264	<i>Riparia paludicola</i>	Plain Martin	भित्तेगौथली	LC	--
265	<i>Riparia riparia</i>	Sand Martin	गलाहारी भित्तेगौथली	LC	--
47	Pycnonotidae				
266	<i>Hypsipetes leucocephalus</i>	Black Bulbul	बाख्रे जुरेली	LC	--
267	<i>Pycnonotus cafer</i>	Red-vented Bulbul	तार्के जुरेली	LC	--
268	<i>Pycnonotus jocosus</i>	Red-whiskered Bulbul	श्वेतवक्ष जुरेली	LC	--
269	<i>Pycnonotus leucogenys</i>	Himalayan Bulbul	जुल्फे जुरेली	LC	--
270	<i>Pycnonotus melanicterus</i>	Black-crested Bulbul	कालोकल्की पहेलो जुरेली	LC	--
48	Cisticolidae				
271	<i>Cisticola juncidis</i>	Zitting Cisticola	सिरु फिस्टे	LC	--
272	<i>Prinia flaviventris</i>	Yellow-bellied Prinia	पीतोदर घाँसेफिस्टो	LC	--
273	<i>Prinia hodgsonii</i>	Grey-breasted Prinia	फुस्रोछाती घाँसेफिस्टो	LC	--

SN.	Scientific name	English name	Nepali name	IUCN	CITES
274	<i>Prinia inornata</i>	Plain Prinia	भाक्री घाँसेफिस्टो	LC	--
275	<i>Prinia socialis</i>	Ashy Prinia	टुणुक घाँसेफिस्टो	LC	--
276	<i>Prinia sylvatica</i>	Jungle Prinia	जङ्गल घाँसेफिस्टो	LC	--
49	Zosteropidae			LC	--
277	<i>Zosterops palpebrosus</i>	Oriental White-eye	कांकीर	LC	--
50	Sylviidae			LC	--
278	<i>Acrocephalus aedon</i>	Thick-billed Warbler	मोटोठूँडे ट्याकट्याके	LC	--
279	<i>Acrocephalus agricola</i>	Paddyfield Warbler	सानो ट्याकट्याके	LC	--
280	<i>Acrocephalus dumetorum</i>	Blyth's Reed Warbler	ट्याकट्याके	LC	--
281	<i>Chaetornis striatus</i>	Bristled Grassbird	चिप्लीक घाँसेचरी	VU	
282	<i>Chrysomma sinense</i>	Yellow-eyed Babbler	तामे घाँसेभ्याकुर	LC	--
283	<i>Graminicola bengalensis</i>	Rufous-rumped Grassbird	घाँसेचरी	NT	--
284	<i>Macronous gularis</i>	Striped Tit Babbler	चारचारे फिस्टेभ्याकुर	LC	
285	<i>Orthotomus sutorius</i>	Common Tailorbird	सोली फिस्टो	LC	
286	<i>Pellorneum ruficeps</i>	Puff-throated Babbler	थोप्ले भ्याकुर	LC	
287	<i>Phylloscopus affinis</i>	Tickell's Leaf Warbler	पीतोदार फिस्टो	LC	
288	<i>Phylloscopus collybita</i>	Common Chiffchaff	चिपचिप फिस्टो	LC	
289	<i>Phylloscopus fuligiventer</i>	Smoky Warbler	ध्वाँसे फिस्टो	LC	
290	<i>Phylloscopus fuscatus</i>	Dusky Warbler	गोघूलि फिस्टो	LC	
291	<i>Phylloscopus humei</i>	Hume's (Leaf) Warbler	चञ्चले फिस्टो	LC	
292	<i>Phylloscopus magnirostris</i>	Large-billed Leaf Warbler	ठूलोठूँडे फिस्टो	LC	
293	<i>Phylloscopus reguloides</i>	Blyth's Leaf Warbler	तालुघर्के फिस्टो	LC	
294	<i>Phylloscopus trochiloides</i>	Greenish Warbler	जीवल फिस्टो	LC	
295	<i>Pnoepyga immaculata</i>	Nepal Wren Babbler	नेपाल डिकुरेभ्याकुर	LC	
296	<i>Seicercus burkii</i>	Golden-spectacled Warbler	सुनचश्मे फिस्टो	LC	
297	<i>Seicercus castaniceps</i>	Chestnut-crowned Warbler	रातोटाउके फिस्टो	LC	--
298	<i>Seicercus whistleri</i>	Whistler's Warbler	सुसेली फिस्टो	LC	--
299	<i>Seicercus xanthoschistos</i>	Grey-hooded Warbler	तुमुलकारी फिस्टो	LC	--
300	<i>Stachyris pyrrhops</i>	Black-chinned Babbler	कालोचिउँडे बनभ्याकुर	LC	--
301	<i>Tesia castaneocoronata</i>	Chestnut-headed Tesia	रातोटाउके टेसिया	LC	--
302	<i>Timalia pileata</i>	Chestnut-capped Babbler	रातोटाउके घाँसे भ्याकुर	LC	--

SN.	Scientific name	English name	Nepali name	IUCN	CITES
303	<i>Turdoides striatus</i>	Jungle Babbler	बगाले भ्याकुर	LC	--
204	<i>Erpornis zantholeuca</i>	White-bellied Yuhina	सेतो जुरेचरा	LC	--
51	Alaudidae			LC	--
305	<i>Mirafra assamica</i>	Rufous-winged Bushlark	भारद्वाज	LC	--
52	Nectariniidae			LC	--
306	<i>Aethopyga siparaja</i>	Crimson Sunbird	सिपराज बुङ्गेचरा	LC	--
307	<i>Dicaeum (minullum) concolor</i>	Plain Flowerpecker	समरुप पुष्पकोकिल	LC	--
308	<i>Dicaeum erythrorhynchos</i>	Pale-billed Flowerpecker	रातोठूँडे पुष्पकोकिल	LC	--
309	<i>Nectarinia asiatica</i>	Purple Sunbird	कालो बुङ्गेचरा	LC	--
53	Passeridae			LC	--
310	<i>Amandava amandava</i>	Red Avadavat	रातो मुनिया	LC	--
311	<i>Antyhus campestris</i>	Tawny Pipit	धूलिका चुइयाँ	LC	--
312	<i>Anthus hodgsoni</i>	Olive-backed Pipit	रुख चुइयाँ	LC	--
313	<i>Anthus richardi</i>	Richard's Pipit	लामोऔले चुइयाँ	LC	--
314	<i>Anthus roseatus</i>	Rosy Pipit	गुलाफीकण्ठे चुइयाँ	LC	--
315	<i>Anthus rufulus</i>	Paddyfield Pipit	आली चुइयाँ	LC	--
316	<i>Dendronanthus indicus</i>	Forest Wagtail	बन टिकटिके	LC	--
317	<i>Lonchura malacca</i>	Black-headed Munia	कालोटाउके मुनिया	LC	--
318	<i>Lonchura punctulata</i>	Scaly-breasted Munia	कोटेरो मुनिया	LC	--
319	<i>Motacilla alba</i>	White Wagtail	सेतो टिकटिके	LC	--
320	<i>Motacilla cinerea</i>	Grey Wagtail	फुस्रो टिकटिके	LC	--
321	<i>Motacilla citreola</i>	Citrine Wagtail	बेसारे टिकटिके	LC	--
322	<i>Motacilla maderaspatensis</i>	White-browed Wagtail	खोले टिकटिके	LC	--
323	<i>Passer domesticus</i>	House Sparrow	भँगेरा	LC	--
324	<i>Passer montanus</i>	Eurasian Tree Sparrow	रुख भँगेरा	LC	--
325	<i>Petronia xanthocollis</i>	Chestnut-shouldered Petronia	पीतकण्ठे भँगेरा	LC	--
326	<i>Ploceus philippinus</i>	Baya Weaver	तोपचरा	LC	--
54	Fringillidae				
327	<i>Carpodacus erythrurus</i>	Common Rosefinch	अमोंगा तितु	LC	--
328	<i>Emberiza aureola</i>	Yellow-breasted Bunting	बगाले बगेडी	EN	--
329	<i>Melophus lathamii</i>	Crested Bunting	जुरे बगेडी	LC	--

ANNEX F: FISHES

SN.	Species	Status	Order	Family	Subfamily
1.	<i>Notopterus notopterus</i> (Pallas)	LC	Osteoglossiformes	Notopteridae	-
2.	<i>Puntius chola</i> (Hamilton-Buchanan)	C	Cypriniformes	Cyprinidae	Cyprininae
3.	<i>Puntius sarana sarana</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
4.	<i>Puntius sophore</i> (Hamilton-Buchanan)	C	Cypriniformes	Cyprinidae	Cyprininae
5.	<i>Puntius terio</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
6.	<i>Puntius ticto</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
7.	<i>Puntius guganio</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
8.	<i>Chela labuca</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cultrinae
9.	<i>Amblypharyngodon mola</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Rasborinae
10.	<i>Devario aequipinnatus</i> (McClelland)	LC	Cypriniformes	Cyprinidae	Rasborinae
11.	<i>Devario devario</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Rasborinae
12.	<i>Esomus danricus</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Rasborinae
13.	<i>Acanthocobitis botia</i> (Hamilton-Buchanan)	LC	Cypriniformes	Balitoridae	Nemacheilinae
14.	<i>Lepidocephalus guntea</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cobitidae	Cobitinae
15.	<i>Wallago attu</i> (Schneider)	NT	Siluriformes	Siluridae	-
16.	<i>Heteropneustes fossilis</i> (Bloch)	LC	Siluriformes	Heteropneustidae	-
17.	<i>Xenentodon cancila</i> (Hamilton-Buchanan)	LC	Beloniformes	Belonidae	-
18.	<i>Monopterusuchia</i> (Hamilton-Buchanan)	LC	Synbranchiformes	Synbranchidae	-
19.	<i>Macrogynathus zebrinus</i> (Blyth)	LC	Synbranchiformes	Mastacembeloidae	-
20.	<i>Mastacembelus armatus</i> (Lacepede)	LC	Synbranchiformes	Mastacembeloidae	-
21.	<i>Glossogobius giuris</i> (Hamilton-Buchanan)	LC	Perciformes	Gobiidae	Gobiinae
22.	<i>Channa marulius</i> (Hamilton-Buchanan)	LC	Perciformes	Channidae	-
23.	<i>Channa striatus</i> (Bloch)	C	Perciformes	Channidae	-

Name of the fishes in Kingfisher Lake

S.N	Name of the species	Conservation status	Order	Family	Sub-family
1.	<i>Cirrhinus mrigala mrigala</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
2.	<i>Ctenopharyngodon idellus</i> (Valenciennes)	*	Cypriniformes	Cyprinidae	Cyprininae
3.	<i>Cyprinus carpio</i> (Linnaeus)	VU	Cypriniformes	Cyprinidae	Cyprininae
4.	<i>Labeo rohita</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
5.	<i>Puntius chola</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
6.	<i>Puntius sarana sarana</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
7.	<i>Puntius sophore</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
8.	<i>Aspidoparia morar</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Rasborinae
9.	<i>Aristichthys nobilis</i> (Richardson)	LC	Cypriniformes	Cyprinidae	Leuciscinae
10.	<i>Amblypharyngodon mola</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Rasborinae
11.	<i>Devario devario</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Rasborinae
12.	<i>Mystus vittatus</i> (Hamilton-Buchanan)	LC	Siluriformes	Bagridae	-
13.	<i>Heteropneustes fossilis</i> (Bloch)	LC	Siluriformes	Heteropneustidae	-
14.	<i>Pseudambassis baculis</i> (Hamilton-Buchanan)	LC	Perciformes	Ambassidae	-
15.	<i>Glossogobius giuris</i> (Hamilton-Buchanan)	LC	Perciformes	Gobiidae	Gobiinae
16.	<i>Channa marulius</i> (Hamilton-Buchanan)	LC	Perciformes	Channidae	-

Name of fishes in Laxmi Lake

S.N	Name of the species	Conservation status	Order	Family	Sub-family
1.	<i>Puntius chola</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
2.	<i>Puntius sarana sarana</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
3.	<i>Puntius terio</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
4.	<i>Pseudambassis baculis</i> (Hamilton-Buchanan)	LC	Perciformes	Ambassidae	-

Name of fishes in Batuli Lake

S.N	Name of the species	Conservation status	Order	Family	Sub-family
1.	<i>Notopterus notopterus</i> (Pallas)	LC	Osteoglossiformes	Notopteridae	-
2.	<i>Cirrhinus mrigala mrigala</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
3.	<i>Cirrhinus reba</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
4.	<i>Ctenopharyngodon idellus</i> (Valenciennes)	*	Cypriniformes	Cyprinidae	Cyprininae
5.	<i>Cyprinus carpio</i> (Linnaeus)	VU	Cypriniformes	Cyprinidae	Cyprininae
6.	<i>Labeo calbasu</i> (Hamilton-buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
7.	<i>Labeo rohita</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
8.	<i>Puntius chola</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
9.	<i>Puntius sarana sarana</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
10.	<i>Puntius sophore</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
11.	<i>Aristichthys nobilis</i> (Richardson)	*	Cypriniformes	Cyprinidae	Leuciscinae
12.	<i>Amblypharyngodon mola</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Rasborinae
13.	<i>Puntius terio</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Cyprininae
14.	<i>Esomus danricus</i> (Hamilton-Buchanan)	LC	Cypriniformes	Cyprinidae	Rasborinae
15.	<i>Mystus vittatus</i> (Hamilton-Buchanan)	LC	Siluriformes	Bagridae	-
16.	<i>Ompok pabda</i> (Hamilton-Buchanan)	NT	Siluriformes	Siluridae	
17.	<i>Wallago attu</i> (Schneider)	NT	Siluriformes	Siluridae	-
18.	<i>Clarias batrachus</i> (Linnaeus)	LC	Siluriformes	Clariidae	
19.	<i>Xenentodon cancila</i> (Hamilton-Buchanan)	LC	Beloniformes	Belonidae	-
20.	<i>Macrogathus zebrinus</i> (Blyth)	LC	Synbranchiiformes	Mastacembeloidae	-
21.	<i>Mastacembelus armatus</i> (Lacepede)	C	Synbranchiiformes	Mastacembeloidae	-
22.	<i>Glossogobius giuris</i> (Hamilton-Buchanan)	LC	Perciformes	Gobiidae	Gobiinae
23.	<i>Channa marulius</i> (Hamilton-Buchanan)	LC	Perciformes	Channidae	-

Local name of identified species

S.N	Local Name	Scientific Name
1.	Laxxi	<i>Notopterus notopterus</i> (Pallas)
2.	Sidra /Pothiya	<i>Puntius chola</i> (Hamilton-Buchanan)
3.	Bada Pothiya	<i>Puntius sarana sarana</i> (Hamilton-Buchanan)
4.	Darraai Sidra	<i>Puntius sophore</i> (Hamilton-Buchanan)
5.	Pothiya (Single Spotted)	<i>Puntius terio</i> (Hamilton-Buchanan)
6.	Pothiya (Double Spotted)	<i>Puntius ticto</i> (Hamilton-Buchanan)
7.	Tilke pothi	<i>Puntius guganio</i> (Hamilton-Buchanan)
8.	Vitti/Deduwa	<i>Chela labuca</i> (Hamilton-Buchanan)
9.	Deduwai	<i>Amblypharyngodon mola</i> (Hamilton-Buchanan)
10.	Pothiya	<i>Devario aequipinnatus</i> (McClelland)
11.	Chitari pothi	<i>Devario devario</i> (Hamilton-Buchanan)
12.	Deduwai/ Vitti	<i>Esomus danricus</i> (Hamilton-Buchanan)
13.	Dhade Guira	<i>Acanthocobitis botia</i> (Hamilton-Buchanan)
14.	Chai-chuiye Guira	<i>Lepidocephalus guntea</i> (Hamilton-Buchanan)
15.	Buhari	<i>Wallago attu</i> (Schneider)
16.	Singhe	<i>Heteropneustes fossilis</i> (Bloch)
17.	Dhongai	<i>Xenentodon cancila</i> (Hamilton-Buchanan)
18.	Andho Bam	<i>Monopterus cuchia</i> (Hamilton-Buchanan)
19.	Balami Bam	<i>Macrogathus zebrinus</i> (Blyth)
20.	Chuche Bam	<i>Mastacembelus armatus</i> (Lacepede)
21.	Kande	<i>Pseudambassis baculis</i> (Hamilton-Buchanan)
22.	Kande (more Shiny)	<i>Pseudambassis ranga</i> (Hamilton-Buchanan)
23.	Dokee	<i>Badis badis</i> (Hamilton-Buchanan)
24.	Vulvule	<i>Glossogobius giuris</i> (Hamilton-Buchanan)
25.	Souri	<i>Channa marulius</i> (Hamilton-Buchanan)
26.	Chiple voti	<i>Channa striatus</i> (Bloch)
27.	Naini	<i>Cirrhinus mrigala mrigala</i> (Hamilton-Buchanan)
28.	Black Rohu	<i>Labeo calbasu</i> (Hamilton-buchanan)
29.	Rohu	<i>Labeo rohita</i> (Hamilton-Buchanan)
30.	Grass Carp	<i>Ctenopharyngodon idellus</i> (Valenciennes)
31.	Magur	<i>Clarias batrachus</i> (Linnaeus)
32.	Chakale	<i>Aspidoparia morar</i> (Hamilton-Buchanan)
33.	Biket	<i>Aristichthys nobilis</i> (Richardson)
34.	Common Carp	<i>Cyprinus carpio</i> (Linnaeus)
35.	Tegna	<i>Mystus vittatus</i> (Hamilton-Buchanan)
36.	Pabdaha	<i>Ompok pobda</i> (Hamilton-Buchanan)
37.	Mrigal	<i>Cirrhinus reba</i> (Hamilton-Buchanan)

ANNEX G: AQUATIC FAUNA

Results of the Macro-invertebrate Sampling of Beeshazar Lake.

S.N	Macro invertebrates	Depth (meters)	Remarks
1	-	2	
2	-	3.1	
3	Bivalvia (Clams)	2.9	
4	Bivalvia (Clams)	3.2	
5	Gastropoda (Snails)	4.08	
6	Chironomids	2.8	
7	Gastropoda (Snail), Chironomids	3	
8	-	2.9	
9	Snails	2	
10	Snails	2.6	

ANNEX H: BUTTERFLIES

S.N.	Common Name	Scientific Name
1.	Lime-swallow	<i>Papilio demoleous</i>
2.	Great Mormon	<i>Papilio memnon</i>
3.	Common Mormon	<i>Papilio polytes</i>
4.	Common Emigrant	<i>Catostopsilia pomona</i>
5.	Indian Red Admiral	<i>Vanessa indica</i>
6.	Blue Pansy	<i>Precis orithya</i>
7.	Yellow Pansy	<i>Precis hierta</i>
8.	Chocolate Pansy	<i>Precis iphita</i>
9.	Danaid Eggfly	<i>Hypolimnys misippus</i>
10.	Common Castor	<i>Ariadne merione</i>
11.	Common Sailor	<i>Neptis hylas</i>
12.	Common Earl	<i>Tanaecia julii</i>
13.	Jungle bush brown	<i>Orsotriaena medus</i>
14.	Common crow	<i>Euploea core</i>
15.	Common Tiger	<i>Danaus genutia</i>
16.	Plain Tiger	<i>Danaus chrysippus</i>

NE-Not evaluated, DD- Data Deficient, LC- Least Concern, NT-Near-Threatened, VU-Vulnerable, EN-Endangered and CR-Critically Endangered, EW- Extinct in the Wild, EX- Extinct species.

REFERENCES

1. Biodiversity Profile of Afghanistan (2008): United Nations Environment Program
2. Nepal Biodiversity Strategy (NBS, 2014-2020)
3. NTNC (2015) Assessment of Ecosystem Services Provided By Beeshazaar and Associated Lakes
4. NTNC (2015) Progress Report-Phase I: Strengthening Community Engagements and Conservation Initiatives to Improve the Water Quality and Ecosystem Functions of Beeshazaar and associated Lakes in Chitwan, Nepal.
5. Paris, F., Looi, CC. (2005). Wetlands, Biodiversity and Climate Change
6. Shrestha, U (2011): Community participation in wetland conservation in Nepal, Journal of Agriculture and Environment.

