

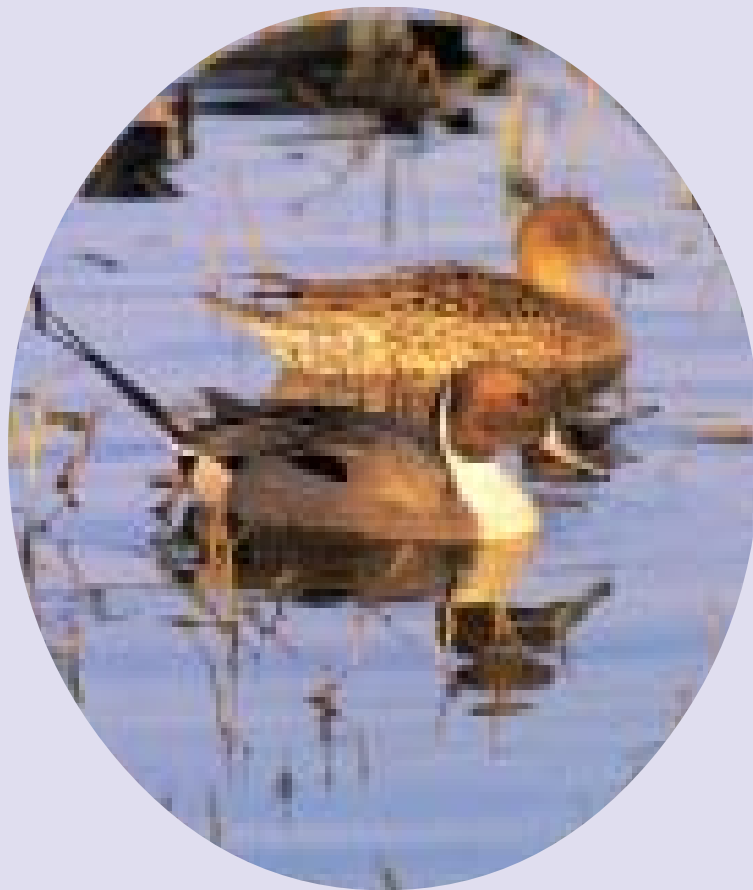
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Checklist of Indian Waterbirds

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ENVIS

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CHECKLIST OF INDIAN WATERBIRDS

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Birds which are ecologically dependent on wetlands are known as waterbirds. They play a significant role in human lives: culturally, socially, scientifically and as a food resource. Waterbirds are an important component of most wetland ecosystems as they form vital components of the food webs. A number of other birds, such as raptors, kingfishers and passerines, which depend on wetlands, are termed as wetland-dependent birds. The present checklist, in which binomial scientific nomenclature has been used (Manakadan and Pittie, 2001), comprises 242 species of waterbirds and 67 species of wetland-dependent birds from India. Out of 242 Indian waterbird species 125 (ca 52%) are migrant, 109 are resident, while the status of eight species is not known. Based on their population status, Indian waterbirds can generally be categorized as very common (4 species), common (21), locally common (76), uncommon (36), rare (53), very rare (4), vagrant (47) and possibly extinct (1). Of the 309 waterbirds and wetland-dependent bird species, 34 are globally threatened (including 3 categorized as critical species), 19 near threatened, five marginal to the region, one data deficient, three endemic, three restricted range species, 11 biome-restricted species and 19 species are listed under Appendices I & II of CITES.

INTRODUCTION

Waterbirds can broadly be defined as birds ecologically dependent on wetlands. This definition includes groups popularly known as waterfowl, seabirds and shorebirds or waders. There are a number of other birds, such as raptors, kingfishers and some passerines, which also depend on wetlands. Waterbirds play a significant role in human lives culturally, socially, scientifically and as a food resource. They are an important component of wetland ecosystems, as they form vital links in the food webs. A few waterbirds are considered to be crop pests, although many play an important role in the control of agricultural pests. Birds are probably the most significant group which attract people to wetlands.

Many waterbirds are migratory, undertaking annual movements between their breeding and non-breeding grounds. In the process, they regularly cross national boundaries. Therefore, it is the collective responsibility of all nations to make efforts for their conservation. Baseline information is a prerequisite for planning and monitoring management actions for waterbirds and their habitats.

As part of the International Waterbird Census, the Asian Waterfowl Census collects, collates and disseminates information on the distribution of waterbirds

and wetlands. The programme needs to be expanded in the Asia-Pacific region. An Asian Wetland Inventory database is being developed to collect standardised information on wetlands of national and international importance across Asia. The following checklist of Indian waterbirds will be of great benefit in this respect.

Ripley (1961) produced a comprehensive synopsis of the birds of India and Pakistan, this was followed by a 10-volume compendium on the birds of India and Pakistan by Ali and Ripley (1968-74), considered to be the bible of Indian ornithology. Inskipp *et al.* (1996) published an annotated checklist of the birds of the Oriental region, while Grimmett *et al.* (1998) gave an updated comprehensive account of the birds of the Indian subcontinent adopting the nomenclature of Inskipp *et al.* (1996). Kazmierczak (2000) brought out a field guide to the birds of the Indian subcontinent, again following the nomenclature of Inskipp *et al.* (1996). While Ali and Ripley (1968-74) in their Handbook used the common names for subspecies, all other writers following them have used binomial nomenclature. The standardised common and scientific names of the birds of the Indian subcontinent by Manakadan and Pittie (2001) have been followed in the present checklist. Islam and Rahmani (2002) have chronicled the status of threatened birds of India, adapted from Threatened Birds of Asia (BirdLife International 2001), and has been followed in the present

communication. Recently, the Bombay Natural History Society (*Buceros*, 7(3); 2002) has reviewed the avifaunal list of the Wildlife (Protection) Act, 1972. The list of waterbirds, including wetland dependent birds in Schedule-I (Part-III) or Schedule-IV (No. 11) has been identified. In the present study, an attempt has also been made to analyse the need for enhancing the conservation status of Indian waterbirds under WL (P) Act and CITES.

Alfred *et al.* (2002), while adopting the nomenclature of Ripley (1961), listed 245 forms of waterbirds from India. The present checklist, in which binomial nomenclature has been used (Manakadan & Pittie, 2001), comprises 242 species of waterbirds, and 67 species of wetland dependent birds from India (Table 1).

The two main threats to the conservation of waterbirds are 1) the loss and 2) degradation of habitat and over exploitation of the wetlands. Approximately 12% of Asian birds are globally threatened with extinction. Wetlands are particularly important since 20% of the threatened bird species in Asia inhabit wetlands. This is a much greater component than the 10% of globally threatened waterbirds. Many species are close to extinction through disturbance or loss of their habitats, as well as through intensive hunting pressure. It is, therefore, of foremost importance to understand the conservation, distribution and abundance status of Indian waterbirds, to evolve appropriate conservation strategies. In the present checklist an attempt has been made to determine this status for Indian Waterbirds.

RESULTS

Residential status: The cyclical migration of waterbirds across the globe has been long recognized as a natural wonder. Each year, waterbirds fly many thousands of kilometres across a vast range of climates and habitats, in response to the urge to nest or to avoid adverse weather conditions. Out of 242 Indian waterbird species, 125 (*ca* 52%) are migrant, 109 resident, while the status is not known for eight species.

Of the 125 migrants, 102 species are winter migrants (WM), five species of winter migrants are also resident (WM/R), five species with some passage population(s) (WM/PM), ten species are summer migrant (SM) and the remaining three species are purely passage migrant (PM).

Of 109 resident species, 33 are completely resident (R), 23 are part resident and part winter migrant (R/WM), 42 undertake local movements, chiefly

depending on water conditions (R/LM), 3 are part resident, part altitudinal and winter migrant (R/AM/WM), 2 take on altitudinal movements (R/AM), 2 part resident, part winter and local migrant (R/WM/LM), 2 part resident, part winter and passage migrant (R/WM/PM), and the remaining 2 part resident and part local and summer migrant (R/LM/SM) (Table 1).

Population status: According to the recommendations of the Convention on Wetlands (Ramsar Convention), one of the criteria for identifying Important Bird Areas (IBAs) is the estimate of waterbird populations. Wetlands International regularly carries out estimates of waterbird populations across the globe to determine population trends. The draft of the 3rd edition of waterbird population estimates was prepared in April 2002. It is vital that the population status of both resident and migratory waterbird species should be regularly monitored at all levels. Indian waterbirds can generally be categorized as Very Common - VCom (4 species), Common - Com (21), Locally Common - LCom (76), Uncommon - UnCom (36), Rare - Ra (53), Very Rare - VRa (4), Vagrant - Va (47) and Possibly Extinct - PEx (1) (Table 1).

Conservation status: Habitat loss or degradation is the major cause of endangerment to the biodiversity of the Asian region. A broad range of national policies, particularly on forestry, agriculture, wetlands and fisheries, can have significant impacts on biodiversity conservation. By ensuring that policies and laws (at local, provincial and national levels) take into account the principle of conservation, threats to species can be minimised.

Wetlands are crucial to biodiversity conservation in the Asian region, since at least 20% of threatened bird species are found in these habitats. One in eight of all bird species in the Asian region is Globally Threatened (GT). Next to tropical forest, wetland habitats are the most affected by constant human pressures. Therefore, species like storks, herons, ibises, ducks, geese, cranes, gulls and waders all feature highly as threatened species in the Asian region.

The present study indicates that of the 309 waterbirds and wetland-dependent birds, 34 species (*ca* 11%) are Globally Threatened (GT), (26 waterbirds and 8 wetland dependent birds), of which three are Critical (Cr), six Endangered (En), 24 Vulnerable (Vu), one Conservation Dependent (CD). Further, nine Globally Threatened species are listed under Schedule-I and 22 under Schedule-IV of the Wildlife (Protection) Act, 1972, while three

species are not listed under the above Act at all. Altogether, 19 species are listed under the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES, 2002) (Appendix-I: 13 and Appendix-II: 06) (Table 2). Of the 19 Near Threatened species (NT), 14 are waterbirds and five are wetland dependent birds.

Out of 309 waterbirds and wetland-dependant birds, only three are endemic, three fall in the Restricted Range Species (RRS) category, five species are marginal to the region, one species comes under data deficient category, while 11 species are Biome-Restricted, of which five species are from Eurasian High Mountain (Biome 05), three from Sino-Himalayan Subtropical Forest (Biome 08), one from Indo-Chinese Tropical Moist Forest (Biome 09), and two from Indo-Malayan Tropical Dry Zone (Biome 11) (Jhunjhunwala, *et al.*, 2001) (Table 2).

The analysis of the conservation status of Indian waterbirds indicates that greater efforts are needed to enhance their protection level, as out of 34 Globally Threatened species only 11 are listed under CITES, while the remaining species like Spot-billed Pelican, White-bellied Heron, both the adjutants (Greater and Lesser), Sarus Crane, Indian Skimmer, Andaman Crake, Pallas's Fish-Eagle and Greater Spotted Eagle, though Globally Threatened, are not listed in either Appendices of CITES, and have no restriction on their trade.

Of the 34 Globally Threatened species, only nine are listed under Schedule-I of the WL (P) Act, 22 are relegated to Schedule-IV, while two species, namely the Masked Finfoot and Indian Skimmer (with a total estimated population for the South Asian region of 5000 each) are not included under the WL (P) Act, 1972 at all. Similarly, two of the most highly threatened Indian waterbirds, namely Sarus Crane and Black-necked Stork are listed under Schedule-IV with 1% threshold populations of 90 and 04 respectively. It is felt that such lacunae must be looked into for the sake of the conservation of Indian waterbirds.

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REFERENCES

- Alfred, J. R. B., Kumar, A., Tak, P. C. and Sati, J. P. 2002 (2nd edn.). Waterbirds of Northern India. Rec. Zool. Surv. India, Occ. Paper No. **190**: i-xxiv, 1-227.
- Ali, S. and Ripley, S. D. 1968-1974. Handbook of the Birds of India and Pakistan. *Oxford University Press. Vols. 1-10*. BirdLife International. 2001. *Threatened Birds of Asia. The BirdLife International Red Data Book*. Cambridge, UK: BirdLife International.
- Bombay Natural History Society. 2002. A BNHS review of the Avifaunal list of the Wildlife (Protection) Act, 1972. *Buceros*, **7** (3): 1-56.
- Collar, N. J., Crosby, M. J. and Stattersfield, A. J. 1994. Birds to Watch 2. *The World List of Threatened Birds. BirdLife conservation Series no. 4. BirdLife International, U.K.*
- Grimmet, R., Inskipp, C., and Inskipp, T., 1998. *Birds of The Indian Subcontinent*. Oxford University Press, Delhi.
- Inskipp, T., Lindsey, N. and Duckworth, W. 1996. *An Annotated Checklist of the Birds of the Oriental Region*. Oriental Bird Club, Sandy, U.K.
- Islam, M. Z. and Rahmani, A. R. 2002. *Threatened Birds of India*. Buceros Vol. 7, No. 1 & 2, 2002. Compiled from Threatened Birds of Asia. BirdLife International Red Data Book (2001). Cambridge, U.K.: BirdLife International.
- Jhunjhunwala, S., Rahmani, A.R., Ishtiaq, F., and Islam, Z., 2001. *The Important Bird Area programme in India. Buceros*, **6**(2): 1-49.
- Kazmierczak, K. 2000. *A Field Guide to the Birds of India, Sri Lanka, Pakistan, Nepal, Bhutan, Bangladesh and Maldives*. Om Book Service, New Delhi.
- Manakadan, R., and Pittie, A. 2001. *Standardised Common and Scientific Names of the Birds of the Indian Subcontinent. Buceros*, **6**(1): i-ix; 1-37.
- Ripley, S. D. 1961. *A Synopsis of the Birds of India and Pakistan*. Bombay Natural History Society/Oxford University Press, Bombay (2nd edn. 1982).
- Rose, P.M., and Scott, D.A. 1994. *Waterfowl Population Estimates*. International Waterfowl and Wetlands Research Bureau (IWRB Special Publication 29). Slimbridge, U.K.
- Wetlands International. 2002. *Waterbird Population Estimates* 3rd edition; pp 163.

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds

S.No.	HBI No.	Waterbirds	Species	Conservation Status	Residential Status	Abundance (2002)	CITES (1972) (1%)	WL(P)A (2002)	SAPE
1	(1)	Diver Black-throated Diver	Gaviidae <i>Gavia arctica</i> (Linnaeus, 1758)		WM	Va			-
2	(5)	Grebes Little Grebe	Podicipedidae <i>Tachybaptus ruficollis</i> (Pallas, 1764)		R/LM	Com		Sch. IV	5500
3	(4a)	Red-necked Grebe	<i>Podiceps griseigena</i> (Boddaert, 1783)		WM	Va		Sch. IV	-
4	(3)	Great Crested Grebe	<i>Podiceps cristatus</i> (Linnaeus, 1758)		R/WM	UnCom		Sch. IV	400
5	(N)	Horned Grebe	<i>Podiceps auritus</i> (Linnaeus, 1758)		WM	Va		Sch. IV	-
6	(4)	Black-necked Grebe	<i>Podiceps nigricollis</i> Brehm, 1831		WM	Ra		Sch. IV	250
7	(6)	Petrels & Shearwaters Cape Petrel	Procellariidae <i>Daption capense</i> (Linnaeus, 1758)		?	Va			-
8	(N)	Barau's Petrel	<i>Pterodroma baraui</i> (Jouanin, 1964)		SM	Va			-
9	(13b)	Bulwer's Petrel	<i>Bulweria bulwerii</i> (Jardine & Selby, 1828)		SM	Va			-
10	(13a)	Jouanin's Petrel	<i>Bulweria fallax</i> Jouanin, 1955		SM	Ra			-
11	(9)	Wedge-tailed Shearwater	<i>Puffinus pacificus</i> (Gmelin, 1789)		SM	Va			-
12	(8)	Flesh-footed Shearwater	<i>Puffinus carneipes</i> Gould, 1844		PM	LCom			-
13	(11)	* Audubon's Shearwater	<i>Puffinus lherminieri</i> Lesson, 1839		?	Com			-
14	(12)	* Persian Shearwater	<i>Puffinus persicus</i> Hume, 1872		WM	Va			-
15	(14)	Storm-Petrels Wilson's Storm-Petrel	Hydrobatidae <i>Oceanites oceanites</i> (Kuhl, 1820)		SM	Com			-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation Status	Residential Status	Abundance Status	CITES (2002)	WL(P)A (1972)	SAPE (2002) (1%)
16	(N)	White-faced Storm-Petrel	<i>Pelagodroma marina</i> (Latham, 1790)		PM	Ra			-
17	(15)	Black-bellied Storm-Petrel	<i>Fregetta tropica</i> (Gould, 1844)		?	Va			-
18	(16)	* Swinhoe's Storm Petrel	<i>Oceanodroma monorhis</i> (Swinhoe, 1867)		SM	Va			-
19	(17)	Tropicbirds Grey-backed Tropicbird	Phaethontidae <i>Phaethon aethereus</i> Linnaeus, 1758		WM	Ra			-
20	(18)	Red-tailed Tropicbird	<i>Phaethon rubricauda</i> Boddaert, 1783		R	Ra			-
621	(19)	Yellow-billed Tropicbird	<i>Phaethon lepturus</i> Daudin, 1802		R	Ra			-
22	(20)	Pelicans Great White Pelican	Pelecanidae <i>Pelecanus onocrotalus</i> Linnaeus, 1758		R/WM	LCom		Sch. IV	225
23	(21)	* Spot-billed Pelican	<i>Pelecanus philippensis</i> Gmelin, 1789	GT/Vu	R/LM	LCom		Sch. IV	100
24	(22)	* Dalmatian Pelican	<i>Pelecanus crispus</i> Bruch, 1832	GT/CD	WM	Ra	Appendix I	Sch. IV	120
25	(23)	Boobies Masked Booby	Sulidae <i>Sula dactylatra</i> Lesson, 1831		R	Ra			-
26	(24)	Red-footed Booby	<i>Sula sula</i> (Linnaeus, 1766)		R	Ra			-
27	(25)	Brown Booby	<i>Sula leucogaster</i> (Boddaert, 1783)		R	Ra			-
28	(28)	Cormorants/Shags Little Cormorant	Phalacrocoracidae <i>Phalacrocorax niger</i> (Vieillot, 1817)		R/LM	Com		Sch. IV	1500
29	(27)	Indian Shag	<i>Phalacrocorax fuscicollis</i> Stephens, 1826		R/LM	Com		Sch. IV	300
30	(26)	Great Cormorant	<i>Phalacrocorax carbo</i> (Linnaeus, 1758)		R/WM	Com		Sch. IV	250

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation	Residential Status	Abundance Status	CITES (2002)	WL(P)A (1972)	SAPE (2002) (1%)
31	(29)	Darter Darter	Anhingidae <i>Anhinga melanogaster</i> Pennant, 1769	NT	R/LM	LCom		Sch. IV	40
32	(31)	Frigatebirds Great Frigatebird	Fregatidae <i>Fregata minor</i> (Gmelin, 1789)		SM	Va			-
33	(32)	Lesser Frigatebird	<i>Fregata ariel</i> (G.R. Gray, 1845)		SM	Va			-
34	(30)	Christmas Island Frigatebird	<i>Fregata andrewsi</i> Mahtews, 1914	GT/Cr	?	Va	Appendix I		-
35	(49)	Hérons, Egrets & Bitterns Little Egret	Ardeidae <i>Egretta garzetta</i> (Linnaeus, 1766)		R/LM	Com		Sch. IV	600
36	(50)	Western Reef-Egret	<i>Egretta gularis</i> (Bosc, 1792)		R/LM	Ra		Sch. IV	170
37	(51)	Pacific Reef-Egret	<i>Egretta sacra</i> (Gmelin, 1789)		R	LCom		Sch. IV	-
38	(35-36)	Grey Heron	<i>Ardea cinerea</i> Linnaeus, 1758		R/W/M	LCom		Sch. IV	200
39	(34)	Goliath Heron	<i>Ardea goliath</i> Cretzschmar, 1827		?	Va		Sch. IV	1
40	(33)	White-bellied Heron	<i>Ardea insignis</i> Hume, 1878	GT/En	R	VRa		Sch. IV	6
41	(37-37a)	Purple Heron	<i>Ardea purpurea</i> Linnaeus, 1766		R/LM	LCom		Sch. IV	250
42	(45-46)	Large Egret	<i>Casmerodius albus</i> (Linnaeus, 1758)		R/LM	LCom		Sch. IV	250
43	(47, 48)	Median Egret	<i>Mesophoyx intermedia</i> (Wagler, 1829)		R/LM	LCom		Sch. IV	250
44	(44)	Cattle Egret	<i>Bubulcus ibis</i> (Linnaeus, 1758)		R/AM	Com		Sch. IV	=15000
45	(42-42a)	Indian Pond-Heron	<i>Ardeola grayii</i> (Sykes, 1832)		R/LM	Com		Sch. IV	=5000

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation	Residential Status	Abundance Status	CITES (2002)	WL(P/A) (1972)	SAPE (2002) (1%)
46	(43)	Chinese Pond-Heron	<i>Ardeola bacchus</i> (Bonaparte, 1855)		R/LM	Ra		Sch. IV	=1000
47	(38-41)	Little Green Heron	<i>Butorides striatus</i> (Linnaeus, 1758)		R	Ra		Sch. IV	-
48	(52)	Black-crowned Night-Heron	<i>Nycticorax nycticorax</i> (Linnaeus, 1758)		R/LM	LCom		Sch. IV	=1000
49	(53-54)	Malayan Night-Heron	<i>Gorsachius melanolophus</i> (Raffles, 1822)		R	Ra		Sch. IV	=100
50	(55)	Little Bittern	<i>Ixobrychus minutus</i> (Linnaeus, 1766)		R/LM	Ra		Sch. IV	=150
51	(57)	Yellow Bittern	<i>Ixobrychus sinensis</i> (Gmelin, 1789)		R/LM	UnCom		Sch. IV	=5000
52	(56)	Chestnut Bittern	<i>Ixobrychus cinnamomeus</i> (Gmelin, 1789)		R/LM	LCom		Sch. IV	=6000
53	(58)	Black Bittern	<i>Dupetor flavicollis</i> (Latham, 1790)		R/LM	UnCom		Sch. IV	=750
54	(59)	Great Bittern	<i>Botaurus stellaris</i> (Linnaeus, 1758)		WM	Ra		Sch. IV	-
		Storks	Ciconiidae						
55	(60)	Painted Stork	<i>Mycteria leucocephala</i> (Pennant, 1769)	NT	R/LM	LCom		Sch. IV	150
56	(61)	Asian Openbill-Stork	<i>Anastomus oscitans</i> (Boddaert, 1783)		R/LM	LCom		Sch. IV	1250
57	(65)	Black Stork	<i>Ciconia nigra</i> (Linnaeus, 1758)		WM/PM	UnCom	Appendix II	Sch. IV	=55
58	(62)	White-necked Stork	<i>Ciconia episcopus</i> (Boddaert, 1783)		R	Ra		Sch. IV	=150
59	(63)	* European White Stork	<i>Ciconia ciconia</i> (Linnaeus, 1758)		WM	LCom		Sch. IV	30
60	(64)	* Oriental White Stork	<i>Ciconia boyciana</i> Swinhoe, 1873	GT/En	WM	Ra	Appendix I	Sch. I	25
61	(66)	Black-necked Stork	<i>Ephippiorhynchus asiaticus</i> (Latham, 1790)	NT	R	Ra		Sch. IV	4

Table-1. **Checklist of Indian waterbirds and Wetland Dependand Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation Status	Residential Status	Abundance Status	CITES (2002)	WL(P/A) (1972)	SAPE (2002) (1%)
62	(68)	Lesser Adjutant-Stork	<i>Leptoptilos javanicus</i> (Horsfield, 1821)	GT/Vu	R/LM	Ra		Sch. IV	50
63	(67)	Greater Adjutant-Stork	<i>Leptoptilos dubius</i> (Gmelin, 1789)	GT/En	R/LM	Ra		Sch. IV	7
64	(71)	Ibises & Spoonbills Glossy Ibis	Threskiornithidae <i>Plegadis falcinellus</i> (Linnaeus, 1766)		R/WM/LM	UnCom		Sch. IV	200
65	(69)	Oriental White Ibis	<i>Threskiornis melanoccephalus</i> (Latham, 1790)	NT	R/LM	LCom		Sch. IV	=300
66	(70)	Black Ibis	<i>Pseudibis papillosa</i> (Temminck, 1824)	BRS(11)	R	UnCom		Sch. IV	100
67	(72)	Eurasian Spoonbill	<i>Platalea leucorodia</i> Linnaeus, 1758		R	LCom	Appendix II	Sch. I	230
68	(73)	Flamingos Greater Flamingo	Phoenicopteridae <i>Phoenicopterus ruber</i> Linnaeus, 1758		R/WM/LM	LCom		Sch. IV	5000
69	(74)	Lesser Flamingo	<i>Phoenicopterus minor</i> (Geoffroy, 1798)	NT	R/LM	LCom		Sch. IV	1500
70	(89)	Swans, Geese & Ducks Large Whistling-Duck	Anatidae <i>Dendrocygna bicolor</i> (Vieillot, 1816)		R/LM	LCom		Sch. I	200
71	(88)	Lesser Whistling-Duck	<i>Dendrocygna javanica</i> (Horsfield, 1821)		R/LM	LCom		Sch. IV	=10000
72	(123)	White-headed Duck	<i>Oxyura leucocephala</i> (Scopoli, 1769)	GT/En	WM	Ra	Appendix II	Sch. IV	3
73	(87)	Mute Swan	<i>Cygnus olor</i> (Gmelin, 1789)		WM	Va		Sch. IV	-
74	(86)	Whooper Swan	<i>Cygnus cygnus</i> (Linnaeus, 1758)		WM	Va		Sch. IV	-
75	(84-85)	* Tundra Swan	<i>Cygnus columbianus</i> (Ord, 1815)		WM	Va		Sch. IV	-
76	(76-77)	Bean Goose	Bean Goose		WM	Va	<i>Anser fabalis</i>	Sch. IV	-
			(Latham, 1787)		WM	Va		Sch. IV	-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation	Residential Status	Abundance Status	CITES (2002)	WL(P)A (1972)	SAPE (2002) (%)
77	(79)	Greater White-fronted Goose	<i>Anser albifrons</i> (Scopoli, 1769)		WM	Ra		Sch. IV	-
78	(80)	Lesser White-fronted Goose	<i>Anser erythropus</i> (Linnaeus, 1758)	GT/Vu	WM	Ra		Sch. IV	-
79	(81)	Greylag Goose	<i>Anser anser</i> (Linnaeus, 1758)		WM	Com		Sch. IV	150
80	(82)	Bar-headed Goose	<i>Anser indicus</i> (Latham, 1790)		R/WM	LCom		Sch. IV	=200
81	(83)	Snow Goose	<i>Anser caerulescens</i> (Linnaeus, 1758)		WM	Va		Sch. IV	-
82	(75)	Red-breasted Goose	<i>Branita ruficollis</i> (Pallas, 1769)	GT/Vu (marginal to region)	WM	Va	Appendix II	Sch. IV	-
83	(90)	Brahminy Shelduck	<i>Tadorna ferruginea</i> (Pallas, 1764)		R/W/M/PM	LCom		Sch. IV	500
84	(91)	Common Shelduck	<i>Tadorna tadorna</i> (Linnaeus, 1758)		WM	Ra		Sch. IV	100
85	(116)	White-winged Duck	<i>Cairina scutulata</i> (S. Muller, 1842)	GT/En	R	Ra	Appendix I	Sch. I	2
86	(115)	Comb Duck	<i>Sarkidiornis melanotos</i> (Pennant, 1769)		R/LM	UnCom	Appendix II	Sch. IV	60
87	(114)	Cotton Teal	<i>Nettapus coromandelianus</i> (Gmelin, 1789)		R/LM	LCom		Sch. IV	=1500
88	(113)	Mandarin Duck	<i>Aix galericulata</i> (Linnaeus, 1758)		WM	Va		Sch. IV	-
89	(101)	Gadwall	<i>Anas strepera</i> (Linnaeus, 1758)		WM	Com		Sch. IV	1500
90	(102)	Falcat Duck	<i>Anas falcata</i> (Georgi, 1775)		WM	Ra		Sch. IV	-
91	(103)	Eurasian Wigeon	<i>Anas penelope</i> (Linnaeus, 1758)		WM	Com		Sch. IV	2500
92	(100)	Mallard	<i>Anas platyrhynchos</i> (Linnaeus, 1758)		R/WM	UnCom		Sch. IV	750

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation	Residential Status	Abundance Status	CITES (2002)	WL(P)A (1972)	SAPE (2002) (1%)
93	(97-99)	Spot-billed Duck	<i>Anas poecilorhyncha</i> J.R. Forester, 1781		R/LM	Com		Sch. IV	500
94	(105)	Northern Shoveller	<i>Anas clypeata</i> Linnaeus, 1758		WM	Com		Sch. IV	=6000
95	(96)	Andaman Teal	<i>Anas gibberifrons</i> (Muller, 1842)	E	R	UnCom		Sch. I	35
96	(93)	Northern Pintail	<i>Anas acuta</i> Linnaeus, 1758		WM	VCom		Sch. IV	=15000
97	(104)	Garganey	<i>Anas querquedula</i> Linnaeus, 1758		WM	VCom		Sch. IV	2500
98	(95)	Baikal Teal	<i>Anas formosa</i> Georgi, 1775	GT/Vu	WM	Ra	Appendix II	Sch. IV	=1000
99	(94)	Common Teal	<i>Anas crecca</i> Linnaeus, 1758		WM	VCom		Sch. IV	4000
100	(92)	Marbled Teal	<i>Marmaronetta angustirostris</i> (Ménétriés, 1832)		WM	Ra		Sch. IV	50
101	(106)	Pink-headed Duck	<i>Rhodo nessa caryophyllacea</i> (Latham, 1790)	GT/Cr	R	Probably Extinct	Appendix I	Sch. I	1
102	(107)	Red-crested Pochard	<i>Rhodonessa rufina</i> (Pallas, 1773)	WM	LCom		Sch. IV	=750	
103	(108)	Common Pochard	<i>Aythya ferina</i> (Linnaeus, 1758)	WM	LCom		Sch. IV	=10000	
104	(109)	Ferruginous Pochard	<i>Aythya nyroca</i> (Guldenstadt, 1770)	NT	R/WM	LCom		Sch. IV	=100
105	(110)	Baer's Pochard	<i>Aythya baeri</i> (Radde, 1863)	GT/Vu	WM	Ra		Sch. IV	=100
106	(111)	Tufted Pochard	<i>Aythya fuligula</i> (Linnaeus, 1758)	WM	LCom		Sch. IV	=10000	
107	(112)	Greater Scaup	<i>Aythya marila</i> (Linnaeus, 1761)	WM	Va			Sch. IV	-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation	Residential Status	Abundance Status	CITES (2002)	WL(P) (1972)	SAPE (2002) (1%)
108	(117)	Long-tailed Duck	<i>Clangula hyemalis</i> (Linnaeus, 1758)		WM	Va		Sch. IV	-
109	(118)	Common Goldeneye	<i>Bucephala clangula</i> (Linnaeus, 1758)		WM	Ra		Sch. IV	=250
110	(119)	Smew	<i>Mergellus albellus</i> Linnaeus, 1758		WM	Ra		Sch. IV	=250
111	(122)	Red-breasted Merganser	<i>Mergus serrator</i> Linnaeus, 1758		WM	Va		Sch. IV	100
112	(120-121)	Common Merganser	<i>Mergus merganser</i> Linnaeus, 1758		R/W/M	LCom		Sch. IV	60
Cranes									
113	(325)	Siberian Crane	<i>Grus leucogeranus</i> Pallas, 1773	GT/Cr	WM	VRa	Appendix I	Sch. I	1
114	(323-324)	Sarus Crane	<i>Grus antigone</i> (Linnaeus, 1758)	GT/Vu	R/LM	LCom		Sch. IV	90
115	(326)	Demoiselle Crane	<i>Grus virgo</i> (Linnaeus, 1758)		WM	LCom		Sch. IV	1000
116	(320)	Common Crane	<i>Grus grus</i> (Linnaeus, 1758)		WM	LCom		Sch. IV	700
117	(322)	Hooded Crane	<i>Grus monacha</i> Temminck, 1835		WM	Va	Appendix I	Sch. I	-
118	(321)	Black-necked Crane	<i>Grus nigricollis</i> Przevalski, 1876	GT/Vu BRS (05)	R/W/M	VRa	Appendix I	Sch. I	58
Rails, Crakes, Moorhens & Coots									
119	(333)	Andaman Crake	<i>Rallina canningi</i> (Blyth, 1863)	E DD RRS (2)	R	Ra		Sch. IV	-
120	(331)	Red-legged Crake	<i>Rallina fasciata</i> (Raffles, 1822)		R	Ra		Sch. IV	-
121	(332)	Slaty-legged Crake	<i>Rallina eurizonoides</i> (Lafresnaye, 1845)		R/LM	UnCom		Sch. IV	-
122	(329-330)	Blue-breasted Rail	<i>Gallirallus striatus</i> Linnaeus, 1766		R/LM	UnCom		Sch. IV	-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (Contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation	Residential Status	Abundance Status	CITES (2002)	WL(P/A) (1972)	SAPE (2002) (1%)
123	(327-328)	Water Rail	<i>Rallus aquaticus</i> (Linnaeus, 1758)		R/W/M	LCom		Sch. IV	-
124	(334)	Corn Crane	<i>Crex crex</i> (Linnaeus, 1758)	GT/Vu (Marginal to region)	W/M	Va		Sch. IV	-
125	(342)	Brown Crane	<i>Amaurornis akool</i> (Sykes, 1832)		R/LM	UnCom		Sch. IV	-
126	(343-345)	White-breasted Waterhen	<i>Amaurornis phoenicurus</i> (Pennant, 1769)		R	Com		Sch. IV	=10000
127	(341)	Elves's Crane	<i>Porzana bicolor</i> (Walden, 1872)	BRS (08)	R	Ra		Sch. IV	-
128	(335, 336)	Little Crane	<i>Porzana parva</i> (Scopoli, 1769)		W/M	Ra		Sch. IV	-
129	(337)	Baillon's Crane	<i>Porzana pusilla</i> (Pallas, 1776)		R/W/M	LCom		Sch. IV	-
130	(338)	Spotted Crane	<i>Porzana porzana</i> (Linnaeus, 1766)		W/M	Ra		Sch. IV	-
131	(339-40)	Ruddy-breasted Crane	<i>Porzana fusca</i> (Linnaeus, 1766)		R/W/M	UnCom		Sch. IV	-
132	(346)	Watercock	<i>Gallinula cinerea</i> (Gmelin, 1789)		R/LM	LCom		Sch. IV	=500
133	(348-349)	Purple Moorhen	<i>Porphyrio porphyrio</i> (Linnaeus, 1758)		R/LM	LCom		Sch. IV	=1000
134	(347-347a)	Common Moorhen	<i>Gallinula chloropus</i> (Linnaeus, 1758)		R/W/M	Com		Sch. IV	=10000
135	(350)	Common Coot	<i>Fulica atra</i> Linnaeus, 1758		R/W/M	VCom		Sch. IV	15000
136	(351)	Masked Finfoot	Helionithidae <i>Helionithidae personata</i> (G.R. Gray, 1849)	GT/Vu BRS (09)	R	VRa			=50
137	(358)	Pheasant-tailed Jacana	<i>Hydrophasianus chirurgus</i> (Scopoli, 1786)		R/LM/SM	UnCom		Sch. IV	=1000

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation	Residential Status	Abundance Status	CITES (2002)	WL(P/A) (1972)	SAPE (2002) (1%)
Jacanas									
138	(359)	Bronze-winged Jacana	Jacaniidae <i>Metopidius indicus</i> (Latham, 1790)		R	LCom		Sch. IV	=1000
Painted-Snipes									
139	(429)	Greater Painted-Snipe	Rostratulidae <i>Rostratula benghalensis</i> (Linnaeus, 1758)		R/LM	LCom			=1000
Oystercatcher									
140	(360-361)	Eurasian Oystercatcher	Haematopodidae <i>Haematopus ostralegus</i> Linnaeus, 1758		WM	Ra		Sch. IV	=100
Plovers, Dotterels & Lapwings									
Charadriidae									
141	(372)	European Golden Plover	<i>Pluvialis apricaria</i> (Linnaeus, 1758)		WM	Va		Sch. IV	-
142	(373)	*Pacific Golden-Plover	<i>Pluvialis fulva</i> (Gmelin, 1789)		WM	UnCom		Sch. IV	750
143	(371)	Grey Plover	<i>Pluvialis squatarola</i> (Linnaeus, 1758)		WM	UnCom		Sch. IV	300
144	(378)	Common Ringed Plover	<i>Charadrius hiaticula</i> Linnaeus, 1758		WM	Ra		Sch. IV	=1000
145	(383)	Long-billed Ringed Plover	<i>Charadrius placidus</i> J.E. Gray, 1863		WM	Ra		Sch. IV	=150
146	(379-380)	Little Ringed Plover	<i>Charadrius dubius</i> Scopoli, 1786		R/W/M	Com		Sch. IV	=1000
147	(381-382)	Kentish Plover	<i>Charadrius alexandrinus</i> Linnaeus, 1758		R/W/M	LCom		Sch. IV	=1500
148	(384-384a)	Lesser Sand Plover	<i>Charadrius mongolus</i> Pallas, 1776		R/W/M	LCom		Sch. IV	1000
149	(374)	Greater Sand Plover	<i>Charadrius leschenaultii</i> Lesson, 1826		WM	UnCom		Sch. IV	-
150	(376)	*Caspian Plover	<i>Charadrius asiaticus</i> Pallas, 1773		WM	Va		Sch. IV	-
151	(377)	*Oriental Plover	<i>Charadrius veredus</i> Gould, 1848		WM	Va		Sch. IV	-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation	Residential Status	Abundance Status	CITES (2002)	WL(P/A) (1972)	SAPE (2002) (1%)
152	(375)	Black-fronted Dotterel	<i>Euseyornis melanops</i> (Vieillot, 1818)		?	Va		Sch. IV	-
153	(364)	Northern Lapwing	<i>Vanellus vanellus</i> (Linnaeus, 1758)		WM	LCom		Sch. IV	=650
154	(370)	Yellow-wattled Lapwing	<i>Vanellus malabaricus</i> (Boddaert, 1783)	BRS (11)	R/LM	LCom		Sch. IV	=500
155	(369)	*River Lapwing	<i>Vanellus duvaucelii</i> (Lesson, 1826)		R/LM	LCom		Sch. IV	=100
156	(365)	Grey-headed Lapwing	<i>Vanellus cinereus</i> (Linnaeus, 1758)		WM	UnCom		Sch. IV	=250
157	(366-368)	Red-wattled Lapwing	<i>Vanellus indicus</i> (Boddaert, 1783)		R/LM	Com		Sch. IV	=1500
158	(363)	Sociable Lapwing	<i>Vanellus gregarius</i> (Pallas, 1771)	GT/Vu	WM	Ra		Sch. IV	10
159	(362)	White-tailed Lapwing	<i>Vanellus leucurus</i> (Lichtenstein, 1823)		WM	LCom		Sch. IV	=250
Sandpipers, Stints, Snipes, Godwits & Curlews									
160	(411)	Eurasian Woodcock	Scolopacidae <i>Scolopax rusticola</i> Linnaeus, 1758		R/AM/WM	LCom		Sch. IV	-
161	(404)	Solitary Snipe	<i>Gallinago solitaria</i> Hodgson, 1831	BRS (05)	R/AM/WM	Ra		Sch. IV	-
162	(405)	Wood Snipe	<i>Gallinago nemoricola</i> Hodgson, 1836	GT/Vu BRS (05)	R/AM/WM	Ra		Sch. IV	=50
163	(406)	Pintail Snipe	<i>Gallinago stenura</i> (Bonaparte, 1830)		WM	LCom		Sch. IV	=2000
164	(407)	Swinhoe's Snipe	<i>Gallinago megala</i> Swinhoe, 1861		WM	Ra		Sch. IV	-
165	(408)	Great Snipe	<i>Gallinago media</i> (Latham, 1787)	NT	WM	Va		Sch. IV	-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation	Residential Status	Abundance Status	CITES (2002)	WL(P)A (1972)	SAPE (2002) (1%)
166	(409)	Common Snipe	<i>Gallinago gallinago</i> (Linnaeus, 1758)		R/WM	Com		Sch. IV	-
167	(410)	Jack Snipe	<i>Lymnocyptes minimus</i> (Brünnich, 1764)		WM	UnCom		Sch. IV	=660
168	(389-390)	Black-tailed Godwit	<i>Limosa limosa</i> (Linnaeus, 1758)		WM	LCom		Sch. IV	1600
169	(391-391a)	Bar-tailed Godwit	<i>Limosa lapponica</i> (Linnaeus, 1758)		WM	UnCom		Sch. IV	1000
170	(385-386)	Whimbrel	<i>Numenius phaeopus</i> (Linnaeus, 1758)		WM	UnCom		Sch. IV	=900
171	(387-388)	Eurasian Curlew	<i>Numenius arquata</i> (Linnaeus, 1758)		WM	UnCom		Sch. IV	-
172	(392)	Spotted Redshank	<i>Tringa erythropus</i> (Pallas, 1764)		WM	LCom		Sch. IV	=300
173	(393-394)	Common Redshank	<i>Tringa totanus</i> (Linnaeus, 1758)		R/WM	Com		Sch. IV	=2000
174	(395)	Marsh Sandpiper	<i>Tringa stagnatilis</i> (Bechstein, 1803)		WM	LCom		Sch. IV	=1900
175	(396)	Common Greenshank	<i>Tringa nebularia</i> (Günner, 1767)		WM	LCom		Sch. IV	=650
176	(399)	Spotted Greenshank	<i>Tringa guttifer</i> (Nordmann, 1835)	GT/En	WM	Va	Appendix I	Sch. IV	10
177	(397)	Green Sandpiper	<i>Tringa ochropus</i> (Linnaeus, 1758)		WM/R	LCom		Sch. IV	=2000
178	(398)	Wood Sandpiper	<i>Tringa glareola</i> (Linnaeus, 1758)		WM	LCom		Sch. IV	=10000
179	(400)	Terek Sandpiper	<i>Xenus cinereus</i> (Guldenstadt, 1774)		WM/PM	UnCom		Sch. IV	=1250
180	(401)	Common Sandpiper	<i>Actitis hypoleucos</i> (Linnaeus, 1758)		R/WM	LCom		Sch. IV	=2000
181	(402)	Ruddy Turnstone	<i>Arenaria interpres</i> (Linnaeus, 1758)		WM	Va		Sch. IV	=750
182	(N)	Long-billed Dowitcher	<i>Limnodromus scolopaceus</i> (Say, 1823)		WM	Va		Sch. IV	-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation	Residential Status	Abundance Status	CITES (2002)	WL(P/A) (1972)	SAPE (2002) (1%)
183	(403)	Asian Dowitcher	<i>Limnodromus semipalmatus</i> (Blyth, 1848)	NT	WM	Ra	Sch. IV	Sch. IV	180
184	(413)	Great Knot	<i>Calidris tenuirostris</i> (Horsfield, 1821)		WM	UnCom	Sch. IV	Sch. IV	3200
185	(412)	Red Knot	<i>Calidris canutus</i> (Linnaeus, 1758)		WM	Va	Sch. IV	Sch. IV	-
186	(414)	Sanderling	<i>Calidris alba</i> (Pallas, 1764)		WM	Va	Sch. IV	Sch. IV	=750
187	(423)	Spoonbill Sandpiper	<i>Calidris pygmaea</i> (Linnaeus, 1758)	GT/Vu	WM	Ra	Sch. IV	Sch. IV	50
188	(416)	Little Stint	<i>Calidris minuta</i> (Leisler, 1812)		WM	LCom	Sch. IV	Sch. IV	2000
189	(415)	Rufous-necked Stint	<i>Calidris ruficollis</i> (Pallas, 1776)		WM	Ra	Sch. IV	Sch. IV	4700
190	(417)	Temminck's Stint	<i>Calidris temminckii</i> (Leisler, 1812)		WM	LCom	Sch. IV	Sch. IV	=750
191	(418)	Long-toed Stint	<i>Calidris subminuta</i> (Middendorff, 1853)		WM	UnCom	Sch. IV	Sch. IV	-
192	(420, 421)	Dunlin	<i>Calidris alpina</i> (Linnaeus, 1758)		WM	UnCom	Sch. IV	Sch. IV	=1500
193	(422)	Curlew Sandpiper	<i>Calidris ferruginea</i> (Pontoppidan, 1813)		WM	UnCom	Sch. IV	Sch. IV	1000
194	(424-425)	Broad-billed Sandpiper	<i>Limicola falcinellus</i> (Pontoppidan, 1763)		WM	UnCom	Sch. IV	Sch. IV	-
195	425a	Buff-breasted Sandpiper	<i>Tryngites subruficollis</i> (Vieillot, 1819)		WM	Va	Sch. IV	Sch. IV	-
196	(426)	Ruff	<i>Philomachus pugnax</i> (Linnaeus, 1758)		WM/PM	LCom	Sch. IV	Sch. IV	=500
197	(433)	Ibisbill	<i>Ibidorhyncha struthersii</i> Vigors, 1832	BRS (05)	R/AM	UnCom	Sch. IV	Sch. IV	=250
198	(430-431)	Black-winged Stilt	<i>Himantopus himantopus</i> (Linnaeus, 1758)		R/LM	Com	Sch. IV	Sch. IV	=5250

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation Status	Residential Status	Abundance Status	CITES (2002)	WL(P/A) (1972)	SAPE (2002) (1%)
Ibisbill, Avocets & Stilts									
Recurvirostridae									
199	(432)	Pied Avocet	<i>Recurvirostra avosetta</i> Linnaeus, 1758		WM/R	LCom		Sch. IV	=400
Phalaropidae									
200	(428)	Red-necked Phalarope	<i>Phalaropus lobatus</i> (Linnaeus, 1758)		WM	Ra			-
201	(427)	Red Phalarope	<i>Phalaropus fulicaria</i> (Linnaeus, 1758)		WM	Va			-
Crab-Plovers									
202	(434)	Crab-Plover	<i>Dromas ardeola</i> Paykull, 1805		WM	Ra			-
Stone plovers/ Thick-knees									
203	(437)	* Great Stone-Plover	<i>Esacus recurvirostris</i> (Cuvier, 1829)		R/LM	UnCom		Sch. IV	-
204	(438)	* Beach Stone-Plover	<i>Esacus magnirostris</i> (Vieillot, 1818)		R	LCom	-	Sch. IV	-
Pratincoles									
205	(442)	* Collared Pratincole	<i>Glareola pratincola</i> (Linnaeus, 1766)		WM	Ra			=250
206	(443)	* Oriental Pratincole	<i>Glareola maldivarum</i> J.R. Forster, 1795		R/LM/SM	LCom			670
207	(444)	Small Pratincole	<i>Glareola lactea</i> Temminck, 1820		R/LM	LCom			=250
Skuas									
208	(445-446)	* Brown Skua	<i>Catharacta antarctica</i> (Lesson, 1831)		SM	Va			-
209	(446a)	* South Polar Skua	<i>Catharacta maccormicki</i> (Saunders, 1893)		SM	Va			-
210	(447)	Pomarine Jaeger	<i>Stercorarius pomarinus</i> (Temminck, 1815)		WM	Ra			-
211	(448)	Parasitic Jaeger	<i>Stercorarius parasiticus</i> (Linnaeus, 1758)		WM	Va			-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation Status	Residential Status	Abundance Status	CITES (2002)	WL(P/A) (1972)	SAPE (2002) (1%)
Gulls, Terns & Noddies									
212	(449)	Sooty Gull	<i>Larus hemprichii</i> Bruch, 1853		WM	Va		Sch. IV	-
213	(N)	Mew Gull	<i>Larus canus</i> Linnaeus, 1758		WM	Va		Sch. IV	-
214	(450)	* Heuglin's Gull	<i>Larus heuglini</i> Bree, 1876		WM	Ra		Sch. IV	≈2000
215	(451)	* Yellow-legged Gull	<i>Larus cachinnans</i> Pallas, 1811		WM/PM	UnCom		Sch. IV	-
216	(453)	Pallas's Gull	<i>Larus ichthyæetus</i> J.E. Gray, 1831		R	LCom		Sch. IV	-
224	(479)	Lesser Crested Tern	<i>Sterna bengalensis</i> Lesson, 1831		R/WM	LCom		Sch. IV	-
225	(478)	Large Crested Tern	<i>Sterna bergii</i> Lichtenstein, 1823		R	LCom		Sch. IV	-
226	(480)	Sandwich Tern	<i>Sterna sandvicensis</i> Latham, 1787		WM	LCom		Sch. IV	-
227	(466)	Roseate Tern	<i>Sterna dougallii</i> Montagu, 1813		R	UnCom		Sch. IV	-
228	(468-469)	Black-naped Tern	<i>Sterna sumatrana</i> Raffles, 1822		R	LCom		Sch. IV	-
229	(464-465)	Common Tern	<i>Sterna hirundo</i> Linnaeus, 1758		R/WM	LCom		Sch. IV	-
230	(466a)	Arctic Tern	<i>Sterna paradisæa</i> Pontoppidan, 1763		?	Va		Sch. IV	-
231	(475-476)	Little Tern	<i>Sterna albifrons</i> Pallas, 1764		WM/R	LCom		Sch. IV	-
232	(477)	Saunders's Tern	<i>Sterna saundersi</i> Hume, 1877		R	UnCom		Sch. IV	-
233	(467)	White-cheeked Tern	<i>Sterna repressa</i> Hartert, 1916		R	LCom		Sch. IV	-
234	(470)	Black-bellied Tern	<i>Sterna acuticauda</i> J.E. Gray, 1831	NT	R	LCom		Sch. IV	-
235	(471,72,73)	Bridled Tern	<i>Sterna anaethetus</i> Scopoli, 1786		R	LCom		Sch. IV	-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation Status	Residential Status	Abundance Status	CITES (2002)	WL(P/A) (1972)	SAPE (2002) (1%)
236	(474)	Sooty Tern	<i>Sterna fuscata</i> Linnaeus, 1766		R	LCom		Sch. IV	-
237	(458)	Whiskered Tern	<i>Chlidonias hybridus</i> (Pallas, 1811)		R/W/M/PM	LCom		Sch. IV	-
238	(459)	White-winged Black Tern	<i>Chlidonias leucopterus</i> (Temminck, 1815)		WM/PM	UnCom		Sch. IV	-
239	(459a)	Black Tern	<i>Chlidonias niger</i> (Linnaeus, 1758)		PM	Va		Sch. IV	-
240	(481)	Brown Noddy	Anous stolidus (Linnaeus, 1758)		R	LCom		Sch. IV	-
241	(482)	* Black Noddy	Anous minutus Boie, 1844		?	Va		Sch. IV	-
242	(484)	Indian Skimmer	Rynchopidae <i>Rynchops albicollis</i> Swainson, 1838	GT/Vu	R/L/M	UnCom			50
Wetland Dependent Birds									
Hawks, Eagles, Kites & Harriers									
243	(135)	Brahminy Kite	<i>Haliastur indus</i> (Boddaert, 1783)		R/L/M	LCom		Sch. I	-
244	(173)	White-bellied Sea-Eagle	<i>Haliaeetus leucogaster</i> (Gmelin, 1788)		R	Ra		Sch. I	-
245	(174)	Pallas's Fish-Eagle	<i>Haliaeetus leucorhynchus</i> (Pallas, 1771)	GT/Vu	R/W/M	Ra	Appendix I	Sch. I	-
246	(172a)	White-tailed Sea-Eagle	<i>Haliaeetus albicilla</i> Linnaeus, 1758	NT	WM	Ra	Appendix I	Sch. I	-
247	(177)	Lesser Grey-headed Fish-Eagle	<i>Ichthyophaga humilis</i> (S. Muller & Schlegel, 1841)	NT	R/AM	Ra		Sch. I	-
248	(175-176)	Greater Grey-headed Fish-Eagle	<i>Ichthyophaga ichthyaeetus</i> (Horsfield, 1821)	NT	R	UnCom		Sch. I	-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation Status	Residential Status	Abundance Status	CITES (2002)	WL(P/A) (1972)	SAPE (2002) (1%)
249	(193)	Western Marsh-Harrier	<i>Circus aeruginosus</i> (Linnaeus, 1758)		WM	LCom		Sch. I	-
250	(194)	Eastern Marsh-Harrier	<i>Circus spilonotus</i> Kaup, 1847		WM	LCom		Sch. I	-
251	(170)	Greater Spotted Eagle	<i>Aquila clanga</i> Pallas, 1811	GT/Vu	WM/R	Ra		Sch. I	-
252	(169)	* Steppe Eagle	<i>Aquila nipalensis</i> Hodgson, 1833		WM	LCom		Sch. I	-
253	(167)	Eastern Imperial Eagle	<i>Aquila heliaca</i> Savigny, 1809	GT/Vu	WM	Ra	Appendix I	Sch. I	-
254	(203)	Osprey Osprey	Pandionidae <i>Pandion haliaetus</i> (Linnaeus, 1758)	WM/R	UnCom			Sch. I	-
255	(209-211)	Falcons Peregrine Falcon	Falconidae <i>Falco peregrinus</i> Tunstall, 1771	-R/WM	UnCom		Appendix I	Sch. I	-
256	(247)	Partridges Swamp Francolin	Phasianidae <i>Francolinus gularis</i> (Temminck, 1815)	GT/Vu	R	LCom		Sch. IV	-
257	(631-2)	Owls Brown Fish-Owl	Strigidae <i>Ketupa zeylonensis</i> (Gmelin, 1788)	R	UnCom		Sch. IV		
258	(633)	Tawny Fish-Owl	<i>Ketupa flavipes</i> (Hodgson, 1836)	R	UnCom		Sch. IV		
259	(633a)	Buffy Fish-Owl	<i>Ketupa ketupu</i> (Horsfield, 1821)	R	Va		Sch. IV		
260	(721)	Kingfishers Blyth's Kingfisher	Alcedinidae <i>Alcedo hercules</i> Laubmann, 1917	NT BRS (08)	R	Ra		Sch. IV	-
261	(722-724)	Small Blue Kingfisher	<i>Alcedo atthis</i> (Linnaeus, 1758)		R/WM/SM	Com		Sch. IV	-
262	(725-726a)	Blue-eared Kingfisher	<i>Alcedo meninting</i> Horsfield, 1821		R	Ra		Sch. IV	-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Waterbirds	Species	Conservation Status	Residential Status	Abundance Status	CITES (2002)	WL(P)A (1972)	SAPE (2002) (1%)
263	(727-728)	Oriental Dwarf Kingfisher	<i>Ceyx erithacus</i> (Linnaeus, 1758)		R/LM	Ra		Sch. IV	-
264	(730-732)	Stork-billed Kingfisher	<i>Halcyon capensis</i> (Linnaeus, 1758)		R	LCom		Sch. IV	-
265	(729)	Brown-winged Kingfisher	<i>Halcyon amauroptera</i> Pearson, 1841	NT	R	LCom		Sch. IV	-
266	(733-734)	Ruddy Kingfisher	<i>Halcyon coromanda</i> (Latham, 1790)		R/LM	Ra		Sch. IV	-
267	(735-738)	White-breasted Kingfisher	<i>Halcyon smyrnensis</i> (Linnaeus, 1758)		R/LM	Com		Sch. IV	-
268	(739)	Black-capped Kingfisher	<i>Halcyon pileata</i> (Boddaert, 1783)		R/LM	LCom		Sch. IV	-
269	(740-743)	Collared Kingfisher	<i>Todiramphus chloris</i> (Boddaert, 1783)		R	LCom		Sch. IV	-
270	(717-718)	Greater Pied Kingfisher	<i>Megaceryle lugubris</i> (Temminck, 1834)		R	LCom		Sch. IV	-
271	(719-720)	Lesser Pied Kingfisher	<i>Ceryle rudis</i> (Linnaeus, 1758)		R	Com		Sch. IV	-
			Meropidae						
272	(747)	Blue-cheeked Bee-eater	<i>Merops persicus</i> Pallas, 1773		SM/PM	LCom			-
273	(748)	Blue-tailed Bee-eater	<i>Merops philippinus</i> Linnaeus, 1766	R/WM	LCom				-
274	(744-745)	Chestnut-headed Bee-eater	<i>Merops leschenaulti</i> Vieillot, 1817		R	LCom			-
			Hirundinidae						
275	(911)	Swallows & Martins *Sand Martin	<i>Riparia riparia</i> (Linnaeus, 1758)		R/WM	LCom			-
276	(910)	*Pale Martin	<i>Riparia diluta</i> (Sharpe & Wyatt, 1893)		R/WM	LCom			-
277	(912)	Plain Martin	<i>Riparia paludicola</i> (Vieillot, 1817)		R/LM	Com			-
278	(916-918)	Common Swallow	<i>Hirundo rustica</i> Linnaeus, 1758		R/WM	LCom			-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Wetland Dependent Birds	Species	Conservation Status	Residential Status	Abundance Status	CITES (2002)	WL(P)A (1972)	SAPE (2002) (1%)
279	(921)	Wire-tailed Swallow	<i>Hirundo smithii</i> Leach, 1818		R/SM	LCom			-
280	(923-928)	Red-rumped Swallow	<i>Hirundo daurica</i> Linnaeus, 1771		R/SM/W/M	LCom			-
281	(922)	Streak-throated Swallow	<i>Hirundo fluviicola</i> Blyth, 1855		R/SM	LCom			-
282	(1885-90)	Wagtails & Pipits White Wagtail	Motacillidae <i>Motacilla alba</i>	R/W/M/PM	Com		Sch. IV		-
283	(1891)	Large Pied Wagtail	<i>Motacilla maderaspatensis</i> Gmelin, 1789		R	LCom		Sch. IV	-
284	(1881-83)	Citrine Wagtail	<i>Motacilla citreola</i> Pallas, 1776		R/AM/W/M	LCom		Sch. IV	-
285	(1875-80))	Yellow Wagtail	<i>Motacilla flava</i> Linnaeus, 1758		R/AM/ WM/PM	LCom		Sch. IV	-
286	(1884)	Grey Wagtail	<i>Motacilla cinerea</i> Tunstall, 1771		R/AM/W/M	LCom		Sch. IV	-
287	(1864)	Red-throated Pipit	<i>Anthus cervinus</i> (Pallas, 1811)		PM	Ra		Sch. IV	-
288	(1865)	Rosy Pipit	<i>Anthus roseatus</i> Blyth, 1847		R/AM/W/M	LCom		Sch. IV	-
289	(1871)	*Water Pipit	<i>Anthus spinoletta</i> (Linnaeus, 1758)		WM	LCom		Sch. IV	-
290	(1872)	*Buff-bellied Pipit	<i>Anthus rubescens</i> (Tunstall, 1771)		WM	Ra		Sch. IV	-
291	(1772-74)	Dippers White-throated Dipper	Cinclididae <i>Cinclus cinclus</i> (Linnaeus, 1758)		R/AM	UnCom			-
292	(1775-76)	Brown Dipper	<i>Cinclus pallasi</i> Temminck, 1820		R/AM	LCom			-
293	(1769-71)	Wrens Winter Wren	Troglodytidae <i>Troglodytes troglodytes</i> (Linnaeus, 1758)		R/AM	LCom		Sch. IV	-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Wetland Dependent Birds	Species	Conservation Status	Residential Status	Abundance Status	CITES (2002)	WL(P) (1972)	SAPE (2002) (1%)
		Accentors	Prunellidae						
294	(1678)	Guldenstadt's Redstart	<i>Phoenicurus erythrogaster</i> (Guldenstadt, 1775)		R/W/M/AM	LCom		Sch. IV	-
295	(1716)	White-capped Redstart	<i>Chaimarrornis leucocephalus</i> (Vigors, 1831)		R/AM/WM	Com		Sch. IV	-
296	(1679)	Plumbeous Redstart	<i>Rhyacornis fuliginosus</i> (Vigors, 1831)		R/AM	LCom		Sch. IV	-
297	(1684)	Little Forktail	<i>Enicurus scouleri</i> Vigors, 1832		R/AM	LCom		Sch. IV	-
298	(1684)	Black-backed Forktail	<i>Enicurus immaculatus</i> (Hodgson, 1836)		R	LCom		Sch. IV	-
299	(1686)	Slaty-backed Forktail	<i>Enicurus schistaceus</i> (Hodgson, 1836)	BRS (08)	R/AM	LCom		Sch. IV	-
300	(1687)	Leschenault's Forktail	<i>Enicurus leschenaulti</i> (Vieillot, 1818)		R/LM	UnCom		Sch. IV	-
301	(1688-89)	Spotted Forktail	<i>Enicurus maculatus</i> Vigors, 1831		R/AM	LCom		Sch. IV	-
302	(1699)	White-tailed Stonechat	<i>Saxicola leucura</i> (Blyth, 1847)		R/LM	LCom		Sch. IV	-
		Babblers	Timaliinae						
303	(1160)	Marsh Babbler	<i>Pellorneum palustre</i> Gould, 1872						
304	(1233-34)	Jerdon's Babbler	<i>Chrysomma alirostre</i> Jerdon, 1862	GT/Vu RRS (6)	R	Ra		Sch. IV	-
		Parrotbills	Panurinae						
305	(1251)	Black-breasted Parrotbill Gould, 1836	<i>Paradoxornis flavirostris</i> GT/Vu RRS (6)	R	VRa			Sch. IV	-
		Prinias, Warblers	Sylviinae						
306	(1531-1532)	Long-tailed Prinia	<i>Prinia burnesii</i> (Blyth, 1844)		R	LCom		Sch. IV	-

Table-1. **Checklist of Indian waterbirds and Wetland Dependant Birds (contd.)

S.No.	HBI No.	Wetland Dependent Birds	Species	Conservation Status	Residential Status	Abundance Status	CITES (2002)	WL(P)A (1972)	SAPE (2002) (1%)
307	(1534)	Rufous-rumped Grass-Warbler	<i>Graminicola bengalensis</i> Jerdon, 1863		R	LCom		Sch. IV	-
308	(1546)	Broad-tailed Grass-Warbler	<i>Schoenicola platyura</i> (Jerdon, 1844)	GT/VuE	R	Ra		Sch. IV	-
309	(1470)	Mangrove Whistler	Pachycephalinae <i>Pachycephala grisola</i> (Blyth, 1843)		R	UnCom			-

Note:

There are some waders such as Eurasian Thick-knee, Coursers etc that are not included in the above list as they are essentially the birds of arid habitats.

Symbols**Description**

HBI (225-256) Numbers within brackets after the common names are the numbers given to species in Ripley's (1982) Synopsis, which was also followed in Ali & Ripley's Handbook.

(N) New: Indicates that the species is a recent record for the Indian region, and thus, will not have a Synopsis No.

* An asterisk preceding the common name indicates cases of 'splits' or 'lumps', after recent taxonomic changes

GT Globally Threatened

Cr Critical

En Endangered

Vu Vulnerable

CD Conservation Dependent

NT Near Threatened

DD Data Deficient

E Endemic

RRS Restricted-Range Species

2 Andaman

6 Assam Plains

BRS Biome-Restricted Species

05 Eurasian High Montane (Alpine and Tibetan)

08 Sino-Himalayan Subtropical Forest

09 Indo-Chinese Tropical Moist Forest

11 Indo-Malayan Tropical Dry Zone

R Resident

Symbols	Description
R/LM	Resident with local movements
R/LM/SM	Resident with local as well as summer movements
R/AM	Resident with altitudinal movements
R/AM/WM	Resident with altitudinal movements as well as with winter influx
R/SM	Resident with summer influx
R/SM/WM	Resident with summer and winter movements
R/WM	Resident with winter influx
R/WM/AM	Resident with winter influx as well as altitudinal movements
R/WM/SM	Resident with winter influx as well as summer movements
R/WM/LM	Resident with winter influx as well as local movements
R/WM/PM	Resident with winter influx as well as passage movements
R/AM/WM/PM	Resident with altitudinal, winter and passage movements
WM	Winter Migrant
WM/R	Largely winter migrant and partly resident
WM/PM	Winter migrant as well as passage migrant
PM	Passage migrant
VCom	Very common
Com	Common
LCCom	Locally common
UnCom	UnCommon
Ra	Rare
VRa	Very rare
Va	Vagrant
?	Status not known
CITES	Convention on International Trade in Endangered Species of Wild Fauna and Flora (List as per 2002)
WL(P/A 1972	Wildlife (Protection) Act (as amended up to 1997)
SAPE	South Asia Population Estimates (as in Waterbird Population Estimates 3 rd edition, Wetland International 2002)
1%	1% of a Biogeographic Population of a congregatory waterbird species
-	Not set (1% of the Biogeographic Population)
=	Threshold number after Buceros, 6(2) (2001)
**	Nomenclature adopted after Manakadan & Pittie (2001)

Table-2. Conservation Status of Indian Waterbirds and wetland dependant birds

(A) GT Species (A.i) Waterbirds	Common name	Species	BirdLife International (2001)	CITES (2002)	WL(P)A (1972)
	Spot-billed Pelican	<i>Pelecanus philippensis</i>	GT/Vu	-	Sch. IV
	Dalmatian Pelican	<i>Pelecanus crispus</i>	GT/CD	Appendix	Sch. IV
	Christmas Island Frigatebird	<i>Fregata andrewsi</i>	GT/Cr	Appendix I	Not included
	White-bellied Heron	<i>Ardea insignis</i>	GT/En	-	Sch. IV
	Lesser Adjutant-Stork	<i>Leptoptilos javanicus</i>	GT/Vu	-	Sch. IV
	Greater Adjutant-Stork	<i>Leptoptilos dubius</i>	GT/En	-	Sch. IV
	Oriental White Stork	<i>Ciconia boyciana</i>	GT/En	Appendix I	Sch. I
	White-headed Duck	<i>Oxyura leucocephala</i>	GT/En	Appendix II	Sch. IV
	Lesser White-fronted Goose	<i>Anser erythropus</i>	GT/Vu	-	Sch. IV
	Red-breasted Goose	<i>Brania ruficollis</i>	GT/Vu	Appendix II	Sch. IV
	White-winged Duck	<i>Cairina scutulata</i>	GT/En	Appendix I	Sch. I
	Baikal Teal	<i>Anas formosa</i>	GT/Vu	Appendix II	Sch. IV
	Marbled Teal	<i>Marmaronetta angustirostris</i>	GT/Vu	-	Sch. IV
	Pink-headed Duck	<i>Rhodonessa caryophyllacea</i>	GT/Cr	Appendix I	Sch. I
	Baer's Pochard	<i>Aythya baeri</i>	GT/Vu	-	Sch. IV
	Siberian Crane	<i>Grus leucogeranus</i>	GT/Cr	Appendix I	Sch. I
	Sarus Crane	<i>Grus antigone</i>	GT/Vu	-	Sch. IV
	Hooded Crane	<i>Grus monacha</i>	GT/Vu	Appendix I	Sch. I
	Black-necked Crane	<i>Grus nigricollis</i>	GT/Vu	Appendix I	Sch. I
	Corn Crake	<i>Crex crex</i>	GT/Vu	-	Sch. IV
	Masked Finfoot	<i>Heliopais personata</i>	GT/Vu	-	Not included
	Sociable Lapwing	<i>Vanellus gregarius</i>	GT/Vu	-	Sch. IV
	Wood Snipe	<i>Gallinago nemoricola</i>	GT/Vu	-	Sch. IV
	Spotted Greenshank	<i>Tringa guttifer</i>	GT/En	-	Sch. IV
	Spoonbill Sandpiper	<i>Calidris pygmeus</i>	GT/Vu	-	Sch. IV
	Indian Skimmer	<i>Rynchops albicollis</i>	GT/Vu	-	Not included
(A.II) WETLAND DEPENDENT BIRDS					
	Pallas's Fish-Eagle	<i>Haliaeetus leucorhynchus</i>	GT/Vu	-	Sch. I
	Greater Spotted Eagle	<i>Aquila clanga</i>	GT/Vu	-	Sch. I
	Eastern Imperial Eagle	<i>Aquila heliaca</i>	GT/Vu	Appendix I	Sch. I

Table-2. Conservation Status of Indian Waterbirds and wetland dependant birds (contd.)

Common name	Species	BirdLife International (2001)	CITES (2002)	WL(P)A (1972)
Swamp Francolin	<i>Francolinus gularis</i>	GT/Vu	-	Sch. IV
Marsh Babbler	<i>Pellorneum palustre</i>	GT/Vu RRS (6)	-	Sch. IV
Jerdon's Babbler	<i>Chrysomma alairostre</i>	GT/Vu	-	Sch. IV
Black-breasted Parrotbill	<i>Paradoxornis flavirostris</i>	GT/Vu RRS (6)	-	Sch. IV
Broad-tailed Grass-Warbler	<i>Schoenicola playtura</i> (Jerdon, 1844)	GT/Vu E	-	Sch. IV
(B) Near Threatened Species (as per Collar, et al. (1994, 2001))				
(B i) Waterbirds				
Darter	<i>Anhinga melanogaster</i>	+	-	Sch. IV
Painted Stork	<i>Mycteria leucocephala</i>	+	-	Sch. IV
Asian Openbill-Stork	<i>Anastomus oscitans</i>	+	-	Sch. IV
Black-necked Stork	<i>Ephippiorhynchus asiaticus</i>	-	-	Sch. IV
Oriental White Ibis	<i>Threskiornis melanocephalus</i>	+	-	Sch. IV
Black Ibis	<i>Pseudibis papillosa</i>	+	-	Sch. IV
Lesser Flamingo	<i>Phoenicopterus minor</i>	+	-	Sch. IV
Ferruginous Pochard	<i>Aythya nyroca</i>	-	-	Sch. IV
Mandarin Duck	<i>Aix galericulata</i>	+	-	Sch. IV
Long-billed Ringed Plover	<i>Charadrius placidus</i>	+	-	Sch. IV
Asian Dowitcher	<i>Limnodromus semipalmatus</i>	+	-	Sch. IV
Grey-headed Lapwing	<i>Vanellus cinereus</i>	+	-	Sch. IV
Black-bellied Tern	<i>Sterna acuticauda</i>	GT +	-	Sch. IV
(B ii) Wetland Dependent Birds				
White-tailed Sea-Eagle	<i>Haliaeetus albicilla</i>	+	-	Sch. I
Lesser Grey-headed Fish-Eagle	<i>Ichthyophaga humilis</i>	+	-	Sch. I
Greater Grey-headed Fish-Eagle	<i>Ichthyophaga ichthyaetus</i>	+	-	Sch. I
Blyth's Kingfisher	<i>Alcedo hercules</i>	GT +	-	Sch. IV
Brown-winged Kingfisher	<i>Halcyon amauroptera</i>	+	-	Sch. IV
(C) SPECIES MARGINAL TO THE REGION				
Christmas Island Frigatebird	<i>Fregata andrewisi</i>	GT/Cr	Appendix I	Not included
Hooded Crane	<i>Grus monacha</i>	GT/Vu	Appendix I	Sch. I

Table-2. Conservation Status of Indian Waterbirds and wetland dependant birds (contd.)

Common name	Species	BirdLife Intenational (2001)	CITES (2002)	WL(P)A (1972)
Great Snipe	<i>Gallinago media</i>	NT	-	Sch. IV
Red-breasted Goose	<i>Branta ruficollis</i>	GT/Vu	Appendix II	Sch. IV
Corn Crane	<i>Crex crex</i>	GT/Vu	-	Sch. IV
(D) Data Deficient Species				
Andaman Crane	<i>Rallina canningi</i>	(E)(DD)(RRS)	-	Sch. IV
(E) Endemic Species				
Andaman Teal	<i>Anas gibberifrons</i>	Andaman Islands	-	Sch. I
Andaman crane (DD)	<i>Megapodius nicobariensis</i>	Andaman Islands	-	-
Broad-tailed Grass-Warbler	<i>Schoenicola playtura</i>	Western Ghats (Kerala)	-	Sch. IV
(F) RESTRICTED-RANGE SPECIES				
Andaman crane (E) (DD)	<i>Megapodius nicobariensis</i>	Andaman Islands	-	-
Marsh Babbler	<i>Pellorneum palustre</i>	Assam Plains	-	-
Black-breasted Parrotbill	<i>Paradoxornis flavirostris</i>	Assam Plains	-	-
(G) Biome-Restricted Species (Biomes are classified as by BirdLife International)				
(G i) Biome 05: Eurasian High Montane (Alpine and Tibetan)				
Black-necked Crane	<i>Grus nigricollis</i>	(GT/Vu)	Appendix I	Sch. I
Solitary Snipe	<i>Gallinago solitaria</i>	(GT/Vu)	-	Sch. IV
Wood Snipe	<i>Gallinago nemoricola</i>	(GT/Vu)	-	Sch. IV
Ibisbill	<i>Ibidorhyncha struthersii</i>	-	-	Sch. IV
Brown-headed Gull	<i>Larus brunicephalus</i>	-	-	Sch. IV
(G ii) Biome 08: Sino-Himalayan Subtropical Forest				
Elwes's Crane	<i>Porzana bicolor</i>	-	-	Sch. IV
Blyth's Kingfisher (NT)	<i>Alcedo Hercules</i>	-	-	Sch. IV
Slaty-backed Forktail	<i>Enicurus schistaceus</i>	-	-	Sch. IV

Table-2. Conservation Status of Indian Waterbirds and wetland dependant birds (contd.)

Common name	Species	BirdLife International (2001)	CITES (2002)	WL(P)A (1972)
(G iii) Biome 09: Indo-Chinese Tropical Moist Forests				
Masked Finfoot	<i>Heliopais personata</i>	(GT/Vu)	-	
(G iv) Biome 11: Indo-Malayan Tropical Dry Zone				
Black Ibis (NT)	<i>Pseudibis papillosa</i>			Sch. IV
Yellow-wattled Lapwing (E)	<i>Vanellus malabaricus</i>			Sch. IV
(H) Species under Appendices I & II of CITES				
Dalmatian Pelican	<i>Pelecanus crispus</i>		Appendix I	
Christmas Island Frigatebird	<i>Frigata andrewsi</i>		Appendix I	
Black Stork	<i>Ciconia nigra</i>		Appendix II	
Oriental White Stork	<i>Ciconia boyciana</i>		Appendix I	
Eurasian Spoonbill	<i>Platalea leucorodia</i>		Appendix II	
White-headed Duck	<i>Oxyura leucocephala</i>		Appendix II	
Red-breasted Goose	<i>Branta ruficollis</i>		Appendix II	
White-winged Duck	<i>Cairina scutulata</i>		Appendix I	
Comb Duck	<i>Sarkidiornis melanotos</i>		Appendix II	
Baikal Teal	<i>Anas Formosa</i>		Appendix II	
Pink-headed Duck	<i>Rhodonessa caryophyllacea</i>		Appendix I	
Siberian Crane	<i>Grus leucogeranus</i>		Appendix I	
Hooded Crane	<i>Grus monacha</i>		Appendix I	
Black-necked Crane	<i>Grus nigricollis</i>		Appendix I	
Spotted Greenshank	<i>Tringa guttifer</i>		Appendix I	
Pallas's Fish-Eagle	<i>Haliaeetus leucorophus</i>		Appendix I	
White-tailed Sea-Eagle	<i>Haliaeetus albicilla</i>		Appendix I	
Eastern Imperial Eagle	<i>Aquila heliaca</i>		Appendix I	
Peregrine Falcon	<i>Falco peregrinus</i>		Appendix I	

Indian Bird Conservation Network (IBCN)

The Indian Bird Conservation Network is set up by the BNHS in collaboration with BirdLife International and the Royal Society for the Protection of Birds (RSPB) (BirdLife partner in UK).

Mission of the IBCN

The mission of the Network is to promote conservation of birds and their habitat through development of a national network of individuals, organisations and Government.

The Network invites two types of partnership-individual and organisational. To join the Network, write to IBA/IBCN team at BNHS. www.IBCnetwork.org

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