

## CHECKLIST OF WATERBIRDS IN MAYURBHANJ DISTRICT, ORISSA

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A status survey of waterbirds in important water bodies of Baripada and Karanjia divisions was conducted with joint collaboration of the Forest Department and the post graduate department of Wildlife and Conservation Biology, North Orissa University, Takatpur, Baripada. The survey was conducted during January 2003 in different ranges of these divisions.

Mayurbhanj district is situated in the northern part of Orissa. There are many important waterbodies which attract migratory, local migratory and resident birds. During this survey a total of fourteen waterbodies were covered out of which 10 areas were surveyed in Baripada division and four areas in Karanjia division. The waterbodies covered in different ranges of

Baripada and Karanjia division include the Station Bazar Bandh (SBB), Gandhi Park (GP), Munshi Bandh (MB), Jhunjurabana (JB), Barajoda (BJ), Sunei Dam (SND), Jhambhira Project Dam (JPD), Kala Dam (KD), Haldia Dam (HD), Nedam Dam (ND), Chilki water body (CWB), Bankbal Dam (BD), Suleipat Dam (SD) and Bankbal Dam (BLD).

A direct visual count (with binoculars) was employed and where possible an actual count was taken. Where there was a large number of birds, an estimate (up to the nearest 100 individuals) was made. Along with the waterbirds other terrestrial birds sighted in that locality were also noted, but not included in this list. Birds were identified following Grimmet *et al.* (2001) and their status following Ali and Ripley (2001).

It was found that Kala dam had maximum number (20) and Chilki waterbody had no (0) species diversity (Table 3). The detailed distribution of waterbirds is given in Table 1. A checklist is given in Table 2.

Migratory birds were found in nine areas, local migratory birds in four areas, and resident birds in all the areas. Kala dam hosted more number of birds in comparison to other areas because of the fact that this area was easy to locate from the air and because of complete absence of poaching, hunting or

**Table 1. Distribution of waterbirds in different water bodies of Mayurbhanj district, Orissa.**

Common Name	Scientific Name	Sites													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Great Crested Grebe	<i>Podiceps cristatus</i>	-	-	-	-	-	-	-	√	√	-	-	√	-	-
Little Grebe	<i>Tachybaptus ruficollis</i>	-	-	-	-	√	√	-	-	-	-	-	√	-	√
Little Cormorant	<i>Phalacrocorax niger</i>	√	√	√	-	√	√	√	√	√	-	√	-	√	
Pygmy Cormorant	<i>Phalacrocorax pygmeus</i>	-	-	-	√	-	-	-	√	√	-	-	-	-	
Great Cormorant	<i>Phalacrocorax carbo</i>	-	-	-	-	-	-	-	√	-	-	-	-	-	
Indian Shag	<i>Phalacrocorax fuscicollis</i>	-	-	-	-	-	-	-	√	-	-	-	-	-	
Indian Pond Heron	<i>Ardeola grayii</i>	-	√	-	√	√	-	√	√	-	-	-	-	-	
Cattle Egret	<i>Bubulcus ibis</i>	-	-	√	-	√	-	√	√	√	-	√	-	-	
Great Egret	<i>Casmerodius albus</i>	-	-	-	-	√	√	√	-	-	-	-	-	-	
Intermediate Egret	<i>Mesophoyx intermedia</i>	-	-	-	-	-	√	√	-	-	-	-	-	-	
Purple Egret	<i>Ardea purpurea</i>	-	-	-	-	-	-	-	-	-	-	-	-	√	
Grey Heron	<i>Ardea cinerea</i>	-	-	-	-	-	-	√	-	-	-	-	-	-	
Western Reef Heron	<i>Egretta gularis</i>	-	-	-	-	-	-	√	-	-	-	-	-	-	
Goliath Heron	<i>Ardea goliath</i>	-	-	-	-	-	-	-	-	-	-	-	√	-	
Asian Openbill Stork	<i>Anastomus oscitans</i>	-	-	-	-	√	-	-	-	-	-	-	-	-	
White Ibis	<i>Threskiornis aethiopicus</i>	-	-	-	-	√	-	-	-	-	-	-	-	-	
Indian Cotton Teal	<i>Nettion coromandelinus</i>	√	-	-	-	√	√	-	√	-	-	-	-	√	
Lesser Whistling Duck	<i>Dendrocygna javanica</i>	-	-	-	-	√	√	-	√	-	-	-	-	√	
Common Pochard	<i>Aythya ferina</i>	-	-	-	-	√	√	-	√	-	-	√	√	√	
Baer's Pochard	<i>Aythya baeri</i>	-	-	-	-	√	-	-	-	-	-	-	-	-	
Scaup Duck	<i>Aythya marila</i>	-	-	-	-	√	-	-	-	-	-	-	-	-	
Ruddy Shelduck	<i>Tadorna ferruginea</i>	-	-	-	-	-	√	-	-	-	-	-	-	-	
Common Shelduck	<i>Tadorna tadorna</i>	-	-	-	-	-	-	-	-	-	-	-	-	√	
Mallard	<i>Anas platyrhynchos</i>	-	-	-	-	-	-	-	-	-	-	-	-	√	
Northern Pintail	<i>Anas acuta</i>	-	-	-	-	-	√	-	√	-	-	-	-	√	
Northern Shoveller	<i>Anas clypeata</i>	-	-	-	-	-	√	-	√	-	-	-	-	√	
Ferruginous Duck	<i>Aythya ferina</i>	-	-	-	-	-	-	-	-	-	-	-	-	√	
Tufted Duck	<i>Aythya fuligula</i>	-	-	-	-	-	√	-	√	-	-	√	√	√	
Eurasian Wigeon	<i>Anas penelope</i>	-	-	-	-	-	√	-	√	-	-	√	√	√	
Gadwall	<i>Anas strepera</i>	-	-	-	-	-	√	-	√	-	-	√	√	√	
Common Coot	<i>Fulica atra</i>	-	-	-	-	√	√	-	√	-	-	-	-	-	
White breasted Waterhen	<i>Amaurornis phoenicurus</i>	-	√	-	√	-	-	-	-	-	-	-	-	-	
Ruddy Crake	<i>Porzana fusca</i>	-	-	-	-	-	√	-	-	-	-	-	-	√	
Common Sandpiper	<i>Actitis hypoleucos</i>	-	-	√	-	-	√	√	√	-	-	√	-	√	
Long billed Plover	<i>Charadrius placidus</i>	-	-	-	-	-	√	-	√	-	-	-	-	√	
Marsh Sandpiper	<i>Tringa stagnatilis</i>	-	-	-	-	-	-	√	-	-	-	-	-	-	

1 - Station Bazar Bandh; 2 - Gandhi Park; 3 - Munshi Bandh; 4 - Jhunjhura Bandh; 5 - Barajoda; 6 - Sunei Dam; 7 - Jhambhira Project Dam; 8 - Kala Dam; 9 - Haldia Dam; 10 - Nedam Dam; 11 - Chilki Water Body; 12 - Bankbal Dam; 13 - Suleipat Dam; 14 - Baldiha Dam

trapping. In other areas like the Baldiha dam, Sunei dam, Suleipat dam, Haldia dam and Bankbal dam the submerged vegetation was more luxuriant which attracted more number of migratory birds. The area of Suleipat and Bankbal dam is more in comparison to the other dams covered during our survey; hence more number of birds were sighted. All these areas are open and are easy to locate from air. The Nedam dam and the Chilki waterbody are situated near the foothill of Similipal and the total area is less in comparison to other water bodies. It is difficult to locate from air. This may be the reason that no

**Table 2. Checklist of waterbirds in Mayurbhanj district**

Common Name	Scientific Name	Status
<b>Podicipedidae</b>		
Great Crested Grebe	<i>Podiceps cristatus</i>	M
Little Grebe	<i>Tachybaptus ruficollis</i>	R
<b>Phalacrocoracidae</b>		
Little Cormorant	<i>Phalacrocorax niger</i>	R
Pygmy Cormorant	<i>Phalacrocorax pygmeus</i>	R
Great Cormorant	<i>Phalacrocorax carbo</i>	R
Indian Shag	<i>Phalacrocorax fuscicollis</i>	R
<b>Ardeidae</b>		
Indian Pond Heron	<i>Ardeola grayii</i>	R
Cattle Egret	<i>Bubulcus ibis</i>	R
Great Egret	<i>Casmerodius albus</i>	R
Intermediate Egret	<i>Mesophoyx intermedia</i>	R
Purple Egret	<i>Ardea purpurea</i>	R
Grey Heron	<i>Ardea cinerea</i>	R
Western Reef Heron	<i>Egretta gularis</i>	R
Goliath Heron	<i>Ardea goliath</i>	M
<b>Ciconiidae</b>		
Asian Openbill Stork	<i>Anastomus oscitans</i>	R
<b>Threskiornithidae</b>		
White Ibis	<i>Threskiornis aethiopia</i>	R
<b>Anatidae</b>		
Indian Cotton Teal	<i>Nettapus coromandelius</i>	LM
Lesser Whistling Duck	<i>Dendrocygna javanica</i>	R
Common Pochard	<i>Aythya ferina</i>	M
Baer's Pochard	<i>Aythya baeri</i>	M
Scaup Duck	<i>Aythya marila</i>	M
Ruddy Shelduck	<i>Tadorna ferruginea</i>	M
Common Shelduck	<i>Tadorna tadorna</i>	M
Mallard	<i>Anas platyrhynchos</i>	M
Northern Pintail	<i>Anas acuta</i>	M
Northern Shoveller	<i>Anas clypeata</i>	M
Ferruginous Duck	<i>Aythya ferina</i>	M
Tufted Duck	<i>Aythya fuligula</i>	M
Eurasian Wigeon	<i>Anas penelope</i>	M
Gadwall	<i>Anas strepera</i>	M
<b>Rallidae</b>		
Common Coot	<i>Fulica atra</i>	M
White breasted Waterhen	<i>Amaurornis phoenicurus</i>	R
Ruddy Crake	<i>Porzana fusca</i>	R
<b>Charadriidae</b>		
Common Sandpiper	<i>Actitis hypoleucos</i>	M
Long-billed Plover	<i>Charadrius placidus</i>	M
Marsh Sandpiper	<i>Tringa stagnatilis</i>	M
<b>Jacaniidae</b>		
Bronze-winged Jacana	<i>Metopidius indicus</i>	R
<b>Alcedinidae</b>		
Small Blue Kingfisher	<i>Alcedo atthis</i>	R

R - Resident; LM - Local Migratory; M - Migratory

**Table 3. Resident, local migratory and migratory species in the study areas**

Locations / Water bodies	T	R	LM	M
Station Bazar Bandh	2	2	0	0
Gandhi Park	3	3	0	0
Munshi Bandh	3	2	0	1
Jhunjurabana	3	3	0	0
Barajoda	11	6	1	4
Sunei Dam	19	9	1	9
Jhambhira Project Dam	5	2	0	3
Kala Dam	20	10	1	9
Haldia Dam	7	5	0	2
Nedam Dam	3	3	0	0
Chilki Water Body	0	0	0	0
Bankbal Dam	9	3	0	6
Suleipat Dam	5	2	0	3
Baldiha Dam	17	7	1	9

T - Total number of species; R - Resident; LM - Local Migratory; M - Migratory

significant birds were located. But detailed systematic study has to be done to establish any relation for the findings.

#### REFERENCES

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