



Indian Pitta (*Pitta brachyura*)



**BHOJ WETLAND SUMMER BIRD  
COUNT-2022**

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## A Brief Report

# Bhoj Wetland Summer Bird Count 2022



Asian Paradise-flycatcher  
(*Terpsiphone paradisi*)

## OBJECTIVES

1. To know the summer bird diversity and population in Bhoj Wetland, Bhopal.
2. To Know the RET species found in the study area during summer.
3. To prepare a complete checklist of the study area during summer.
4. To determine the likely risk of impact on birds and local bird conservation from the proposed development of the Bhopal city, and to recommend precautionary measures, compensation of habitats or mitigation to prevent harm on birds, if necessary.
5. To find the pattern of summer migration of birds in Bhoj Wetland during summer.
6. To find the distribution, migratory pattern and population of the state bird paradise flycatcher during summer in the study area.

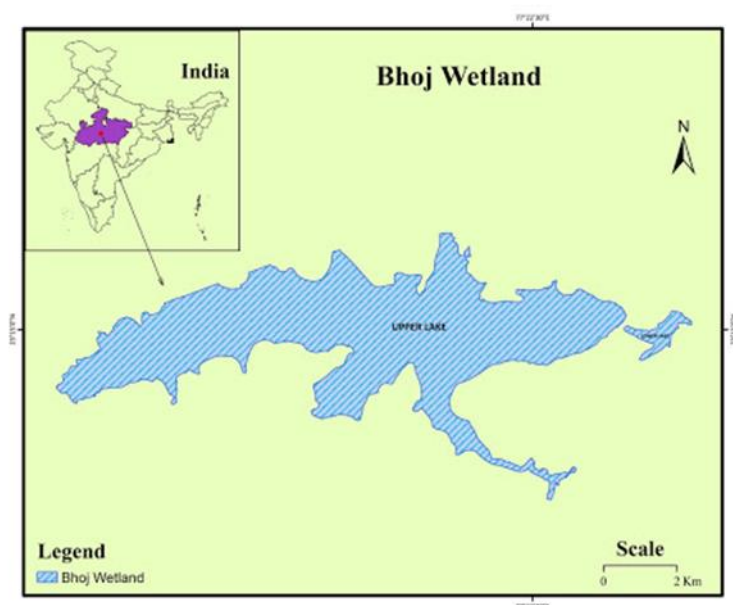


Indian Golden Oriole (*Oriolus kundoo*)



Spotted Owlet (*Athene brama*)

## STUDY AREA





## METHODOLOGY

The count has arranged during peak summer from April to June with temperature range of 38°C to 44°C and records were taken from mostly early morning hours from 5.30 to 10.00 am along with two evening records for nocturnal birds found in unprotected parts of bhoj wetland. The records has taken by 51 volunteers with 5 experts in 5 decided routes of the count area. The standard techniques Direct sampling method and Point count method were used to count birds.

The routes of bird count are as follows:

|         |                           |
|---------|---------------------------|
| Route 1 | Bishenkhedhi to Beelkheda |
| Route 2 | Bamhori Village           |
| Route 3 | Van Vihar National Park   |
| Route 4 | Borvan                    |
| Route 5 | Lower lake to Bairaghar   |



Sarus Crane (*Grus antigone*)



Grey-bellied Cuckoo  
(*Cocomantis merulinus*)



Tickell's Thrush (*Turdus unicolor*)

## COUNT SUMMARY

- Total number of 134 species belongs to 54 families were recorded.
- Total estimated population of 11,101 were recorded.
- Out of 5 routes of count highest 125 species were recorded in route 1.
- Highest estimated population 4,112 were recorded in route 1.
- Top three populated species recorded in this count were Little Cormorant (762) Lesser whistling duck (755), Blue Rock Pigeon (697).
- Five species were recorded as summer migrant namely Indian Pitta, Common Hawk Cuckoo, Asian koel, Grey-bellied Cuckoo, Golden Oriole and Asian Paradise-flycatcher.
- Total 8 RET species were recorded in this count namely Oriental Darter, Painted Stork, Woolly-necked Stork, Black headed Ibis, Common Pochard, River Tern, Sarus Crane, Egyptian Vulture.
- Tickell's thrush was the rare sighting in this count.
- The state bird Asian Paradise flycatcher's population count was done separately. Around 45 individuals were recorded during this count.

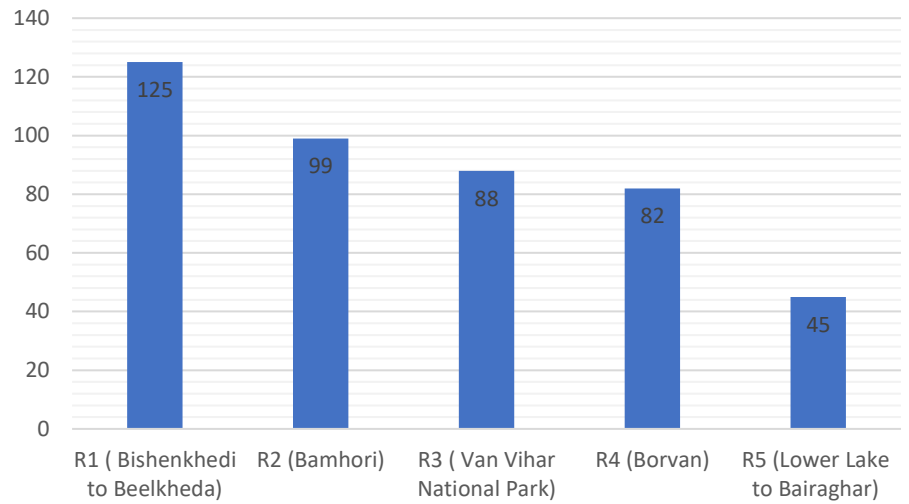
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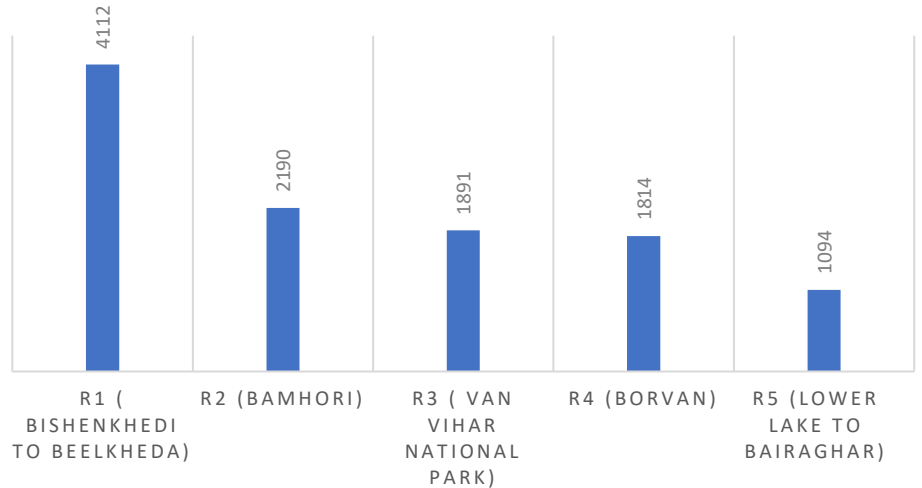
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