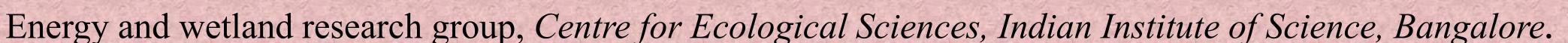


ESTUARINE BRD CONSERVATION IN UTTARAKANNADA DISTRICT

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INTRODUCTION

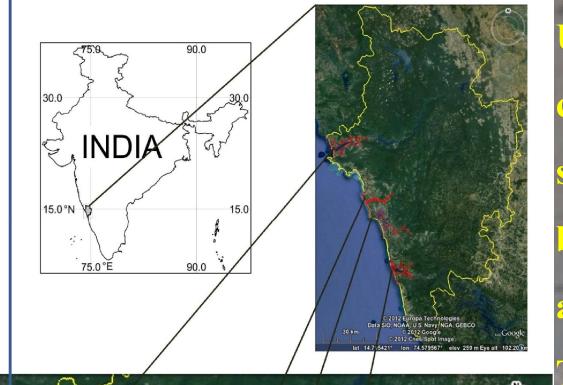
Birds are the best known group of animals and are arguably the easiest group of animals that can be used to monitor ecological changes. The birds which inhabit wetlands for nesting, feeding and roosting are broadly defined as water birds. Tropical estuaries are well known for their rich bird fauna.

OBJECTIVE

To document the Estuarine birds of Uttarakannada.

METHODS

STUDY AREA

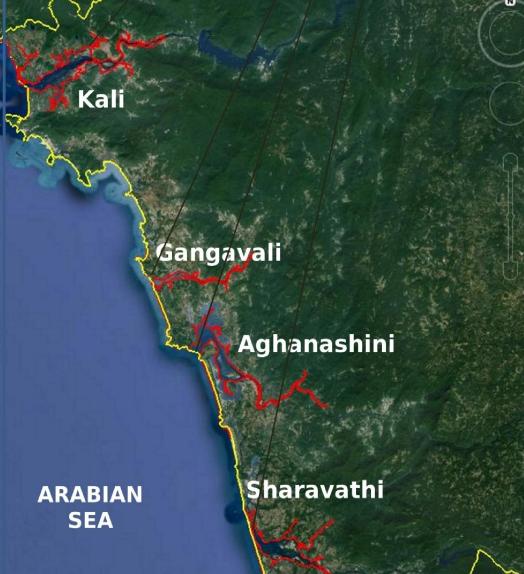


oastal district of Karnataka State is uxuriant mangrove forest which increases the productivity of the stuary and enable extensive breeding ctivity by many marine forms and

upports a rich bird fauna.

Ibis

ttara Kannada, the northernmost



Opportunistic observations were made using binocular.

❖Secondary data was also used.

>Uttara Kannada estuaries are rich in nutrients due to inputs from Western Ghats. The mangroves enhance the nutrient supply and also make estuaries structurally complex to shelter birds of diverse habitats namely, marine, coastal and inland kinds. Marshes, mudflats, oyster beds, sand bars, etc. also provide additional habitats.

RESULTS

>140 birds are associated with estuaries. Roughly half of them are migrants which over winter in the estuaries.

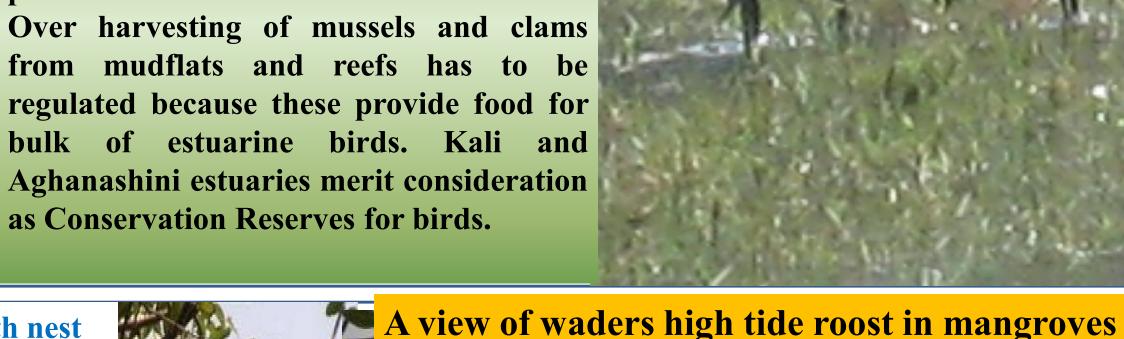
THREATS Shell mining, mangrove cuttings, shrimp farming, sand

> mining, etc. are notable threats.

Pollution is emerging as rising threat. Threats from

reclamation for human habitations are on the increase. **CONSERVATION**

Integrity of estuarine ecosystems which comprises of diverse elements need to be protected for conservation of bird fauna. Over harvesting of mussels and clams regulated because these provide food for bulk of estuarine birds. Kali and



RESIDENT MIGRANTS

Small Blue le cormorants Kingfisher

RESIDENTS White bellied sea eagle Pond heron



White-necked Stork