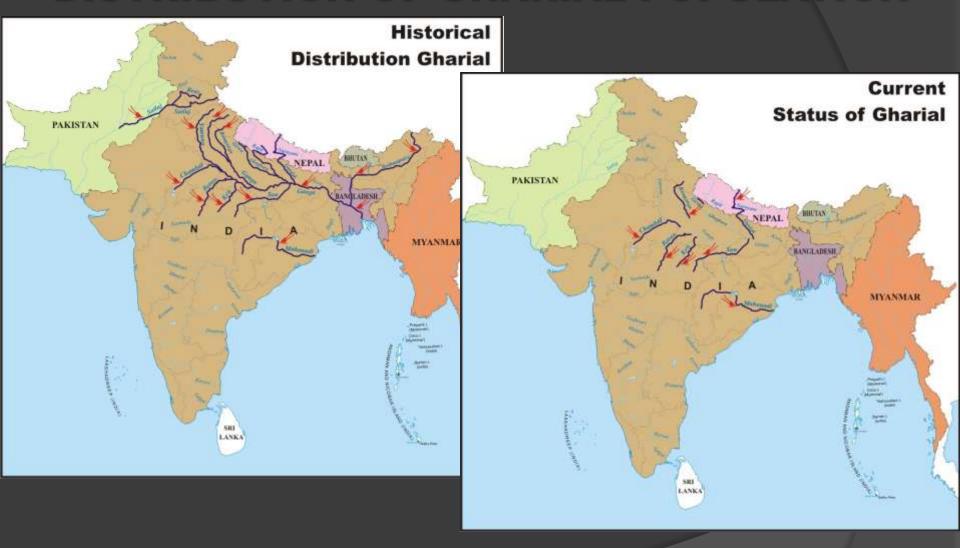
Conservation of the Critically Endangered Gharials (Gavialis gangeticus) by Forest Department of Uttari Pradesh State in the National Ghambal Wildlife Sanctuary, Uttari Pradesh, India

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DISTRIBUTION OF GHARIAL POPULATION



Chambal river accounts for about half (48%) of the world's Gharial population (IUCN, 2008)

NATIONAL CHAMBAL SANCTUARY (NCS)

• The National Chambal Sanctuary was set up in 1979 as a riverine sanctuary along 425 km length of the Chambal River and its ravines of three states of India.



NATIONAL CHAMBAL SANCTUARY (NCS)

- Only known place where nesting of Indian Skimmers is recorded in large numbers
- Supports 8 rare turtle species out of the 26 found in the country
- supports more than 320 resident and migratory birds
- NCS is listed as an important bird area (IBA)
 IN122 and is a proposed Ramsar site.

Banerjee



THREATS TO GHARIAL IN NCS

DIRECT

- Illegal fishing (breaking of snout, death due to drowning)
- Nest destruction due to illegal sand mining
- Depredation of nests

INDIRECT

- Habitat alteration due to illegal mining & riverside agriculture
- Depletion of fish stock due to illegal fishing
- Depletion of water level in river in pinch period due to upstream dams & siltation





PROTECTING GHARIALS IN NCS

- Intensive foot patrolling along the Chambal river to check illegal sand mining.
- River patrolling to check illegal fishing
- Identification and protection of gharial nests
- Developing local intelligence and informers to pre-empt illegal fishing and sand mining
- Conducting raids and arresting persons involved in illegal fishing and mining & invoking action under Wildlife (Protection) Act, 1972
- Preparation and implementation of winter patrolling plan
- Preventing and combating forest fires

CONTROL OF ILLEGAL FISHING AND SAND MINING BY FOREST DEPARTMENT, UTTAR PRADESH

YEAR	No. OF CASES BOOKED	VEHICLES/ BOATS IMPOUNDED	OTHER MATERIAL CONFISCATED	FINE REALIZED (Indian Rupees*)
2008-	109	जुमें केस संख्या	13 fishing nets. 1	3,04,595
2009-	127	1 boat	17 fishing nets, 3 tyre tubes	4,49.400
2010- 11	84	2 hoats	7 nets	2,64,050
2011- 12	75	2 boats	9 nets, 1 tyre tube, 2 impalers, 6 traps	1,85,150
2012- 13	116	2 fou vehicles, 1 motorcycle 6 boats 1 rifle	13 nets, 6 oars, 5 tyre tubes, 1 large bamboo oar, 3 impalers	3,61,130

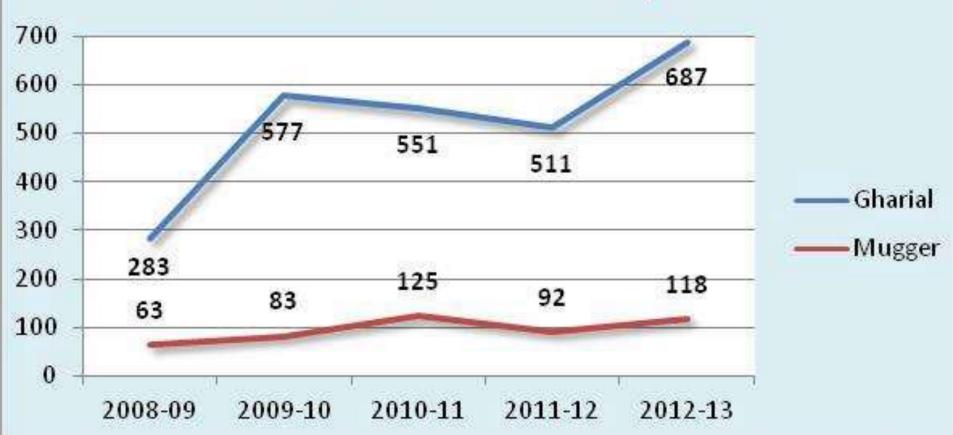
100 yen = 65 Indian Rupees

OTHER ACTIVITIES FOR GHARIAL CONSERVATION IN NCS

- Periodic census of gharial and mugger
- Garnering support of local people in conservation through activities such as cattle camps, health camps, public meetings and







Above data represents "MINIMUM" Gharial & Mugger population established through direct sightings

IN-SITU PROTECTION OF ENDANGERED SPECIES IN THE YEAR 2013

- Protected 55 nests of Critically endangered Gharial
- Protected nests of "Vulnerable" Indian Skimmer Bird (Rynchops albicollis) housing 82 eggs. 60 chicks were counted
- Protected 74 nests of "Critically Endangered" Red Crowned Roof Turtle (Batagur kachuga)
- Protected 126 nests of "Threatened" Three Striped Roof Turtles (*Batagur dhongoka*)

GHARIAL NEST PROTECTION





THANK YOU!

