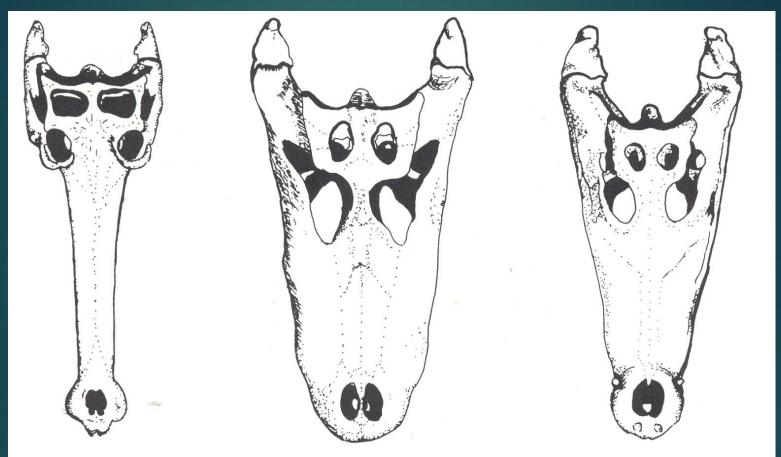
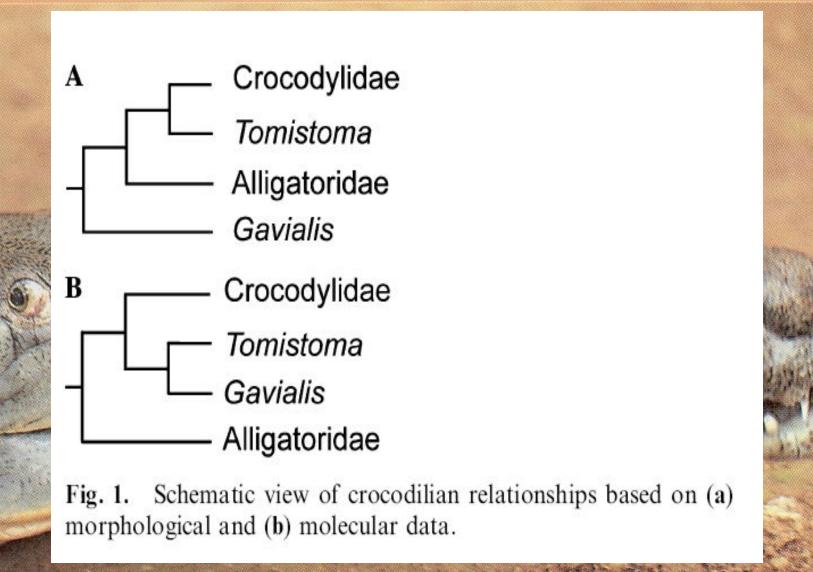
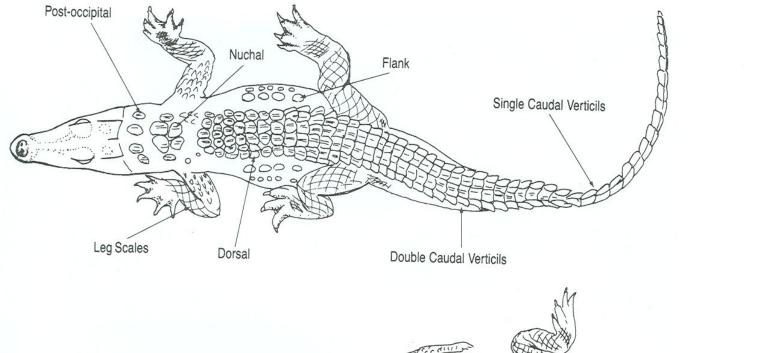
Biology, ecology and conservation of crocodiles



Crocodilian skull shapes. Left: Gharial. Center: Alligator. Right: Crocodile.



Crocodiles are closer to Birds than other Reptiles



Gular

Collar Scales

Ventral

Cloacal Vent

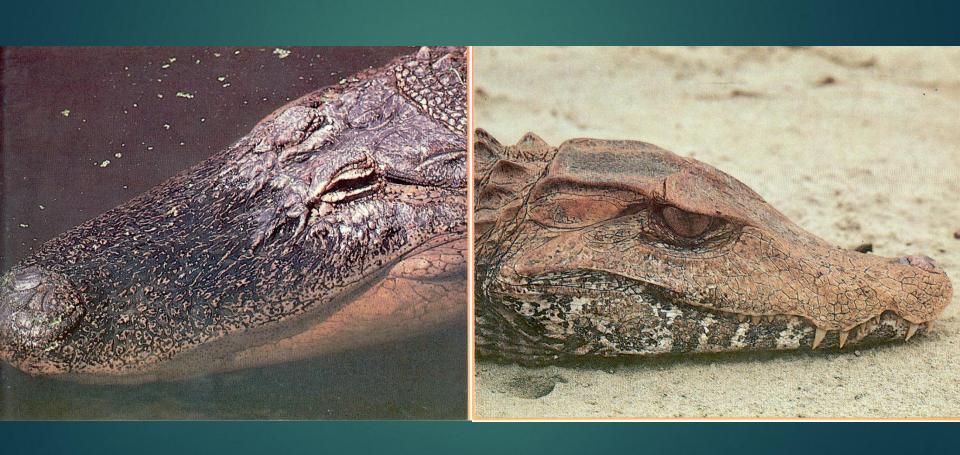
Cloacal Vent

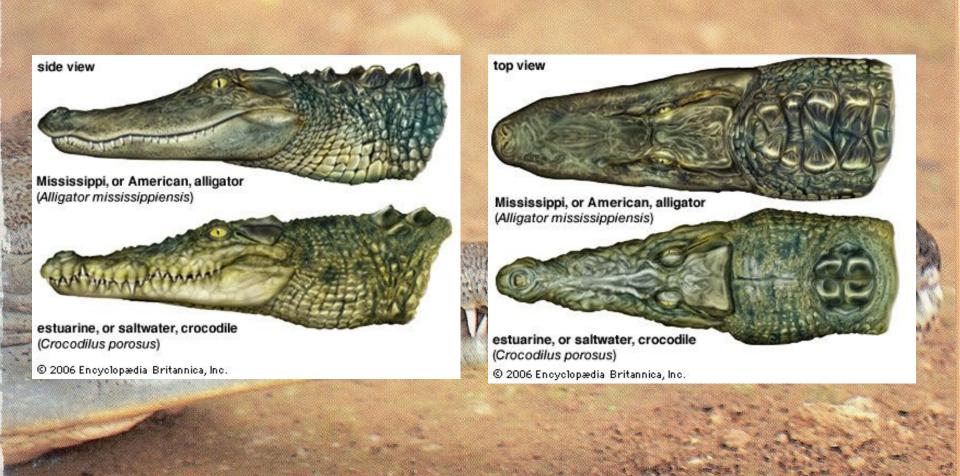
Sub-caudal Scales

Ventral

Cloacal Vent

Alligatorinae lineage





Crocodylinae lineage



Gavialinae lineage





World Distribution

Mostly tropical (20 sps) few sub tropical (2 sps)

Asia 7

Australia 2

Africa 3

South America 5

North America 2

Central America 3

Metabolism

Ectothermic

Body temperature ranges between (25-35°C)
 26-37°C, 2.2°C higher in adult

Metabolic rate approximately 60 times lower than humans

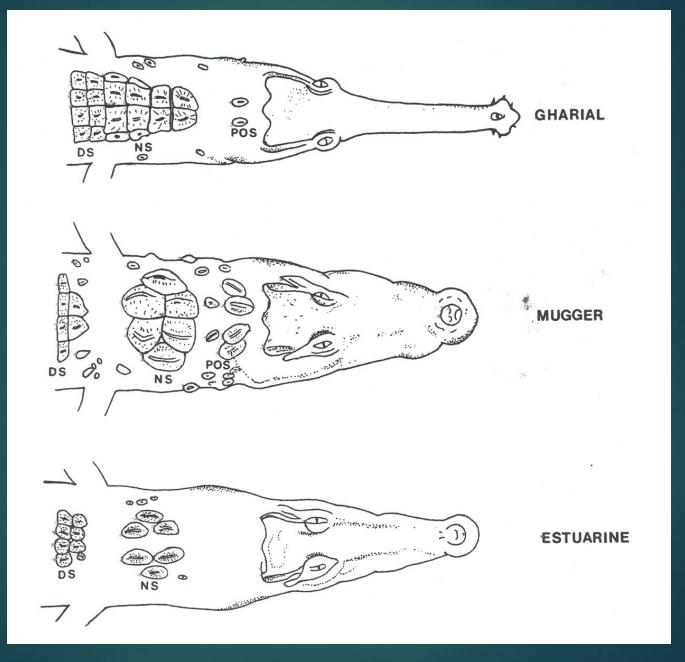
• Slower heart rate (24-45 at 28°C, 15-16 at 18°C)

Diet and Nutrition

- carnivorous mostly nocturnal hunters
- often scavenge on dead and decaying animals
- grasp prey with sharp teeth and thrash to dismember
- major prey mammals, birds, fish, invertebrates such as crab
- normal intake 3-5% of the total body weight
- rate of digestion depends on atmospheric temp.
- gastroliths present

Reproduction

- Oviparous
- Mound nests or hole nests
- 25-60 eggs
- 60-75 days incubation period
- Parental care by females and males
- All have TSD



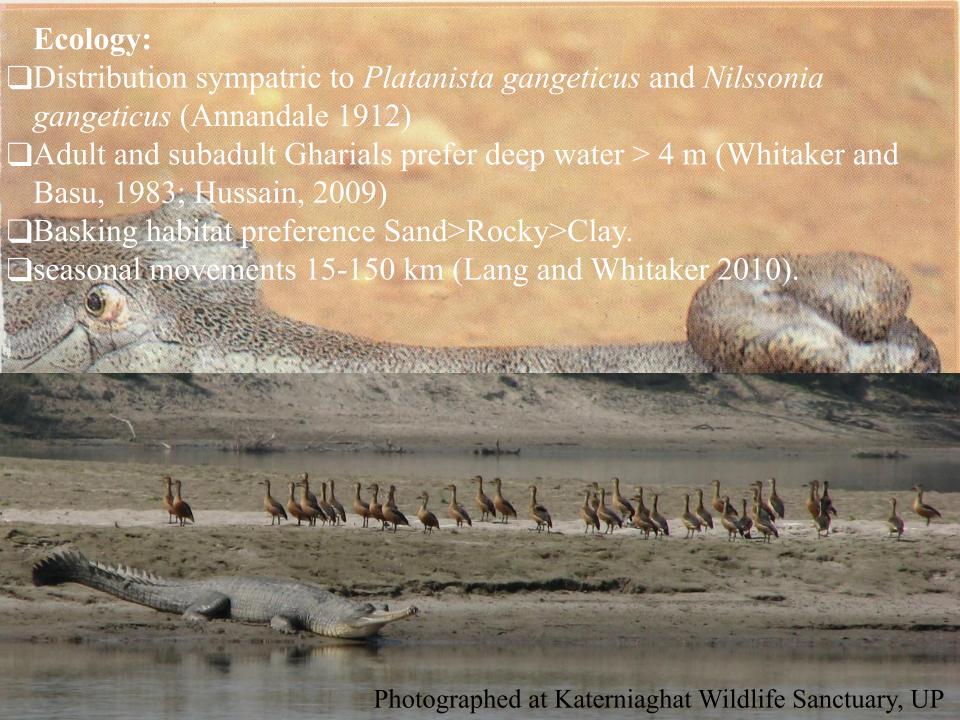






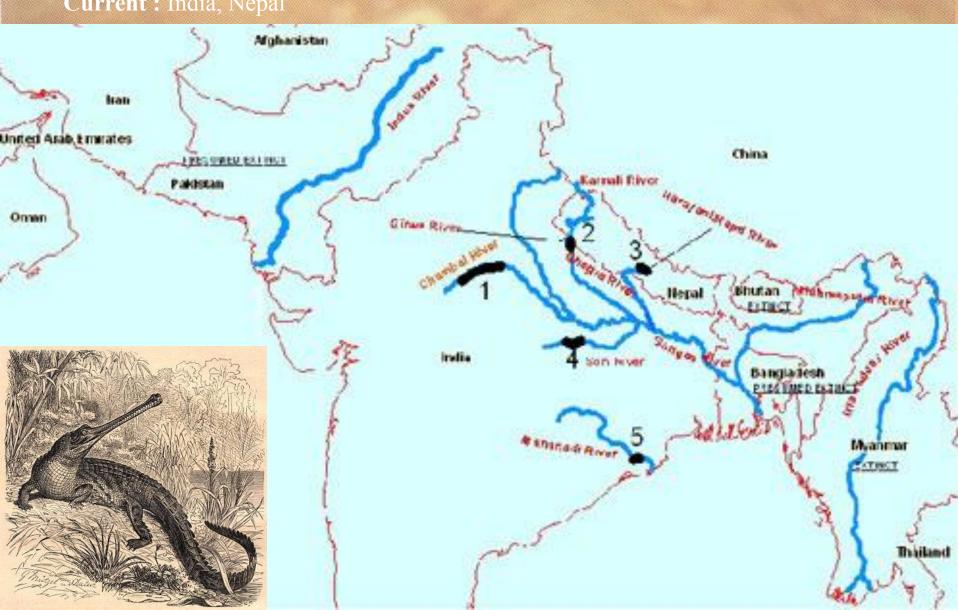






Range Historical: India, Nepal, Pakistan, Bhutan, Bangladesh, Myanmar

Current: India, Nepal





BASKING AND GAPING....







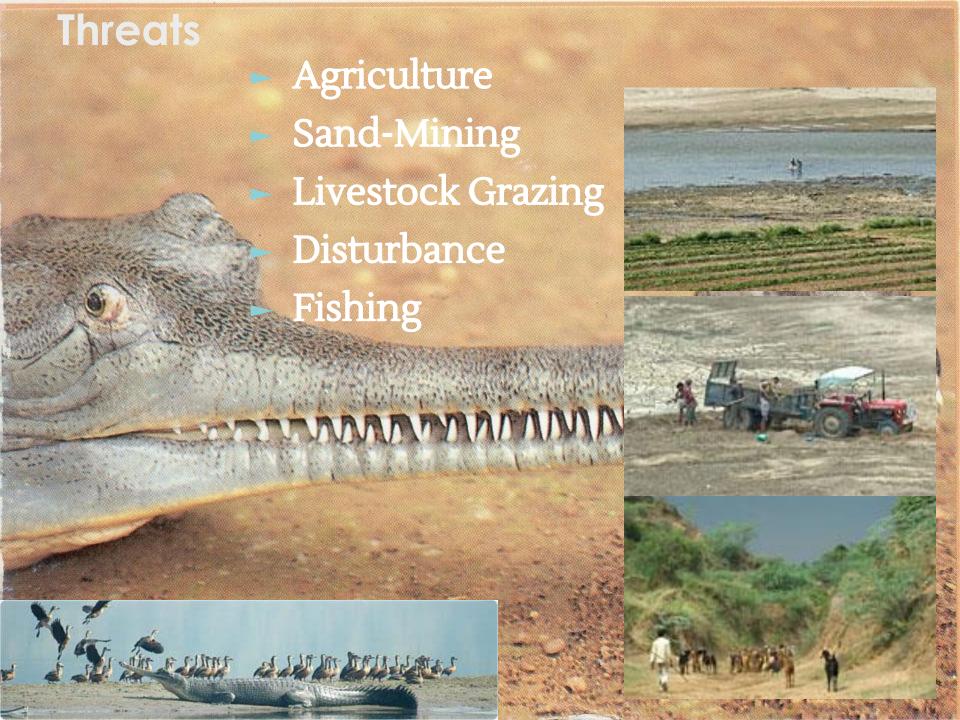














Human Crocodile Conflict

