

number. The approximate area and numbers are as follows: Anko / Ango Ching range and Shiroy (300 sq. km) of Ukhrul district in the north-east. This population has contiguity with forests in Myanmar and about 40-80 Gaurs could still be found. Bunning Wildlife Sanctuary (115 sq. km) and Jiri-Makru forests (198 sq. km) of Tamenglong district in the north-west have a small population of less than 30 animals. In Chandel district, a few are seen in the Yangoupokpi-Lokchao Wildlife Sanctuary (184.80 sq. km), but less than 30 animals are found in the forests (>50 sq. km) towards south, which also move to the Myanmar forests. In Tolbung Reserved Forest (>100 sq. km) and Kailam Wildlife Sanctuary (187 sq. km) of Churachandpur district, only stray animals or groups survive.

From the above account, it seems that the total number of Gaur in Manipur is only 120-160. The long-term survival of Gaurs in Manipur is bleak as the existing numbers are not only very small, but are also severely fragmented with no possibility of contiguity. The protected areas, where a few gaurs still survive, are inadequately protected

Habitat destruction and poaching continue to be major threats. The main cause of decline is unreported poaching. Protection measures in the sanctuaries should be strengthened. Anko/ Ango Ching range and Shiroy should be declared wildlife sanctuaries. Conservation education among villagers living along the fringe areas of PAs with the help of NGOs is also strongly recommended.

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Fig. 1: Map of Bhutan

shouted, and I could see one goral a few metres from the previous day's site. It was on the cliff that was covered by

sparse vegetation. It then slowly moved behind scrub. The elevation where the Goral was seen was 110 m above the mean sea level. Sighting record of Goral at such an elevation was never reported and I even did not expect. I had observed Serow at 100 m in the Himalayan foothills only in winter, and in south of the Brahmaputra, sporadically round the year, but the sighting of Goral was interesting. From the range, it seems to be a Himalayan Goral *N. goral*, but it was rufous-brown indicating that it was of form *hodgsoni* Pocock.

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#### REFERENCES

- CHOUDHURY, A.U. (2003): The Mammals of Arunachal Pradesh. Regency Publications. New Delhi. 140 pp.
- CORBET, G.B. & J.E. HILL (1992): The Mammals of the Indomalayan Region: A Systematic Review. Oxford University Press, Oxford. 488 pp.
- ELLERMAN, J.R. & T.C.S. MORRISON-SCOTT (1951): Checklist of Palearctic and Indian Mammals, 1758 to 1946 (2<sup>nd</sup> edn, 1966). British Museum (Natural History), London. 810 pp.
- GROVES, C.P. & P. GRUBB (1985): Reclassification of the serows and gorals. Pp. 45-50. In: (Ed: Lovari, S.) The Biology and Management of Mountain Ungulates. Croom Helm, Beckenham.
- PRATER, S.H. (1980): The Book of Indian Animals. 4<sup>th</sup> edn. Bombay Natural History Society and Oxford University Press, Bombay. 324 pp.
- SCHALLER, G.B. (1977): Mountain Monarchs. Wild Sheep and Goats of the Himalaya. Chicago University Press, Chicago. 425 pp.
- WILSON, D.E. & D.M. REEDER (EDS.) (1993): Mammal Species of the World: A Taxonomic and Geographic Reference. 2<sup>nd</sup> edn. Smithsonian Institution Press, Washington, D.C. & London. 1207 pp.

### 7. DISCOVERY OF LEAF DEER *MUNTIACUS PUTAOENSIS* RABINOWITZ *ET AL.* IN NAGALAND WITH A NEW NORTHERLY RECORD FROM ARUNACHAL PRADESH<sup>1</sup>

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Muntjacs *Muntiacus* sp. are common and widely spread across India as well as elsewhere in Asia; however, it seems to be an interesting group, with a number of recent discoveries of new species from southeast Asia (Schaller and Vrba 1996; Rabinowitz *et al.* 1999). One such new species was described from northern Myanmar in 1999 and was named *Muntiacus putaoensis* (Rabinowitz *et al.* 1999). This is a small deer and has been named as 'Leaf Deer' because local hunters called it so in their dialect. Their area of occurrence was in extreme northern Myanmar, around Putao. This discovery indicated the Leaf Deer's possible presence

in India, especially in eastern Arunachal Pradesh. In north-east India, the Indian Muntjac *M. muntjak* is the most abundant of all deer species occupying a wide variety of habitats and altitudinal ranges.

In 1993-1994, while surveying eastern areas of Arunachal Pradesh, in Lohit and Changlang districts, I came across reports of a small deer resembling a muntjac from the Lohit and Changlang districts, both from areas bordering Myanmar. At that time *Muntiacus putaoensis* was not described, and since there was no good collection of muntjac species in Indian museums, comparison was difficult. Though



Choudhury, Anwaruddin. 2007. "Significant new Low Elevation Record for Goral Nemorhaedus Goral (Hardwicke)." *The journal of the Bombay Natural History Society* 104, 204–205.

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