WILD LIFE RESERVES IN INDIA: BIHAR PROVINCE

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(With a map and two tables)

Active wild life protection is a policy of recent origin in Bihar. There is no sanctuary which has been in existence for 20 years, and hence the only animals in whose case protection has helped multiplication are wild elephants. These have received adequate protection for the last 40 years in the Singhbhum forests where they have now become so numerous that some amount of control (either by trapping for sale or by transferring to other forests where elephants are not found) has become locally necessary.

At present there are 5 sanctuaries in the Bihar forests, occupying an appropriate area of 272 square miles. This appreciate figure represents 10 per cent of the total Government-owned Reserved and Protected Forests. The total forest area in Bihar, however, is over 10,000 square miles, and the sanctuary area is therefore reduced to 25 per cent of the total forest area. That is a fractional figure and does not contribute to wild life protection to any appreciable extent. Since the first sanctuary was created only in 1932 and two others have been notified as such only during the last two years, noticeable multiplication of wild life cannot be expected. Any assessment on this account is premature.

Shooting control has existed in the 2,000 square miles of Government-owned forcets for a number of years and this has of course prevented the extinction of many animals, particularly deer. As all the Government-owned forests have been located in Chota Nagpur (i.e. southern districts of Bihar), animals in northern districts have not profitted from shooting control protection. Private owners of forests have not exercised any systematic control of shooting: in fact till all the private-owned forests were taken over by the Provincial Government by legislation last year, owners and others used to resort to massacres of animals by shooting by sact-light at night from automobiles. The position has, however, chanced for the better. Since the Government took over 8,000 square miles of privately-owned forests under their own management by the enaction of the Bihar Private Forests Act, 1946, shooting control has been extended to all those forests now constituted as Private Protected Forests under that Act. As demarcation of 8,000 square miles of seettored private forests has not been easy, the enforcement of the shoot-ing rules has not been possible so far. The existence of the rules, however, is a great improvement, and their enforcement can be expected in due course when demarcation is completed and proper forest administration established. It is expected that it will take another two to three years before such conditions would obtain and

then about 13 per cent of the total area of the province (the entire forested area) will have the benefit of some measure of wild life

protection.

The present Minister for Foveds in the Government of Bihar, Mr. Krithnshallabh Sahay, is very loss on a progressive forest policy, and he has publicly desired his interaction to afformst another 5,000 square miles of tree-demold wastes to give to the previous a farast acreage should one-fifth in total area. Blooding previous a farast acreage should one-fifth in total area. Blooding visiting a decade an appreciable amount of tree cover and shooting protection for the wild life of Bihar can be accepted.

control is expected to be extended to that entire forest area and within a denselve an appreciable amount of tree core and shooting within a denselve an appreciable amount of tree core and shooting within the future is one of premise, the special conditions are only better than what they were in the past, we two quantification, As was sated easiler very little wild life has corrived, and the same of the same in which all their of all another, temping and destruction of wild animals is totally probabled. That is, there must be more assectations, and larger cases. A

Assist who there's must be into the present of the present of the present forms. A clearable targest figure would be to put 10 per cent of the present forest area (both stele-owned and Privato Protected) under permanent sunctuaries. Another practical means to secure protection of wild life would be to declare each Forcas Privation (about 20 papear miles) a sanctuary for less years in rotation. Areas like a present protection of the present protection of th

square rulled) a sanctuary for ten years in rotation. Areas like Charageara, Harazibagh, Padaman, Monghy and Ranchi which have been much shot over in the past way be the first forcat areas. Posching is, of course, a problem that will have to be contended with. In the absence of a Game Department the tackling of this problem is difficult. The ordinary Fewest

considerable when the measurement of the control of

Game addi, by converting all the present improvary and assessment. Fire Parts shalf into permanent employees charged with reporting both fire occurrences and offscore against the shorting rules. As converting the contraction of which the billion of the contraction of which the billion of the contraction of which the billion of the contraction of the con

in their labitat areas mmentately any measure of processor magneboto labs.

So far the sanctuaries have not given any definite indication of the animals responding to protection, except in the case of elephants. Other animals have not multiplied nor is it possible to report that they have become less shy than what they were before the ancetaries were created. Forced Officers are subject to frequent transfers and are not able to observe the animals as well as they might like to. The position in the anceturies would improve if for each anactury of came Forcester could be appointed and trained to look after the wild life. Such an incombent could also be trained into elementary managements to accure the optimum conditions for

the multiplication of the animals under special protection. However, the value of sanctuaries is great. While the rhinoceros has received protection for about the same period as the wild elephant it has not multiplied in Bihar on account of the absence of any sanctuary in its habitst. On the other hand in Assam, where the Kaziranga sanctuary was established in 1906, the zhinoceros is claimed to have multiplied from a dezen to over 400. In the Duras of North Bengal also, the Jaldapara sanctuary was established in 1932 to give protection to about 80 rhino which have now increased to over 60. The last rhino definitely seen in Bihar was shot in Champaran in 1939 by a man who obtained permission on the plea that the animal had been already wounded by a poscher. Occasional rhinos do wander into Champaran and Purnes from the Nepal Terai where they are still in some number (under a protection law similar to that existing in Bibar but more effective on account of the smaller number of fre-serms in that country) and a sanctuary might start a process of multiplication. It might be mentioned in this regard that wild elephants in Singhbhum had become very scarce and multiplication began again when the sanctuaries were started by a pair straggling in

from the adjoining Orissa States.

dangerous and fit for destruction. At present there is much abuse of the District Civil Officer's powers in this record to bye-pass shooting restrictions and licence fees. Tigers have suffered most from this lacuna in the shooting rules, and many animals innocent even of the blood of any cattle have been shot on trumped-up charges in the Reserves. During the thirties two tiger censuses were held by the Bihar Forces Department in the district of Palarman (considered best populated with tigers) and each time the number was less than 40. From the actual count of that single district it can be calculated that there are less than a hundred tieres in the entire province, and unless better protection is afforded to them in a few decades the species might be locally exterminated. The shooting licence generally does not put a limit on the number of birds shot. Ground birds like pea-fowl, apur fowl, partridges, quails and the red jungle fowl which are found all over the Bihar forests have suffered very badly on account of the sisence of any limit. Birds with arboreal habits have not suffered so badly, but the Purple Wood Pigeon (Alsocomus puniceus) believed to have become extinct in this area was re-discovered by Mooney in the Singhbhum forests in 1934, and has been frequently observed

since then obviously benefiting from the creation of the Bamiaburu

The shooting rules also need amendment. The exemption provisions must be abolished, and the Forest Officer in charge of an area must alone he considered competent to declare as a single considered c

and Soungaldour, anothenics. The hirds of the plains relicous for cot get say protection, and are imposed and shall not cot get say protection, and are imposed and shall not consider the convertigation of the protection of the p

No special measures have been taken in any of the sanctuaries for the benefit of the animals inhabiting them, except the impounding of the waters of a stream in the Sasanodahuru sanctuary in 1938 to provide water for the rapidly expanding population of elephants and samber. In the Bamieburu sanctuary a fish pond and a swimming pool were constructed close to two major salt licks. The history of the creation of these sanctuaries is obscure; generally they were the work of individual forest officers eather than the carrying out of any settled Government policy. In the obsence of a definite policy the progress has been patchy. Even now the Santal Parganas, one of the oldest Reserves area, has no sanctuary, and till 1946 in the Baresand block restrictions were placed only on driving and beating of game. One of the administrative difficulties in the creation of sanctuaries has been the rights of hunting (including an annual religious hunt) enjoyed by the aboriginal tribes, in which killing of animals is done each spring (month of Mach by the Hindu calendar) without any discrimination as to species, sex, age, size or gestative state of the game. This religious right has prevented the functioning of Parasanth Hill as a sanctusary. This is a well-forested trust of over 200 square miles, reaching a height of 4,490 feet and one of the rainiest areas of the Province with more than 85 inches of annual precipitation. The hill being a boly spot of the Jain community. the latter obtained over 40 years are a judicial decision that no killing of animals should be permitted. That decision has been respected generally except by the aboriginal tribes and the peachers, and in regard to the latter the management of the Jain temple had no adequate staff to prevent posching. Now that those forests are being managed according to a scientific system prepared by the Forest Department, there should be adequate staff to prevent

peaching. But at the same time declaration of the area as a sanctuary would further help protection of wild life. Religious sentiment has also so far secured the survival in some numbers of the migat, which live mostly in the cultivated plains region of the Gauges valley. It is, however, doubtful how long certain amount of damage to crops and that the religious feeling certain amount of damage to crops and that the religious feeling is entirely based upon the local nonnenlature of this antelope which unitablently classes it as a 'cov'. A sauctorary in the plains region for this general aminal would some measure of personal maintain would some measure of protection may be available to it should the reserves for the rhinceeres, black buck and wild buffulo be formed at an early date.

The funds for sanctuary development have so far been very small. In the past a few forcet Divisions used to get a budgetted amount of Bs. 100 per year for expenditure on "Game Improvement". Since this year the amount in a few Division has been relied to best for the rather province is less than Bs. 3,000 in spite of the fact that the total Forcet Revenue exceeds 50 linkly of rupos.

TABLET

Average number of animals shot for year during the period 1935-1942 in the 2,000 sq. miles state-owned forest of Bilar

Tiger	***	***	100		5
Tigress	***	***	***	***	1.4
Leopard or Panther		100		***	46
Wolf	***		100		1.0
Wild cats	***		422	793	0.1
Hyena	***	***			1.0
WEd dog		***		***	1.7
Wild elephant	471		***		09
Nilgai					1.4
Bison		***			1.2
Barking deer		***	***		46
Sambar		***			12-9
Chital	-	***			5.4
Wild pig					4-6
Hare		100	141		6.9
Jackal	***	***	***	***	0.7
Wild beffalo	100	***	***	***	0-4
	***	***		***	

Average annual revenue from shooting fees Rs. 603
, , expenditure on game preservation Rs. 624
} Period 1935-

N.B.—The average number shot is only for the State-owned forests. More animals per year were shot in the private forests, but the figures give an idea how noor the Blast forests have become in wild livestock.

BOMBAY NATURAL HIST, SOCIETY, Vol. 48 PARTICULARS OF WILD LIFE SANCTUARIES IN BUILD. Cover conditions TABLE II



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