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## AWARENESS REGARDING THE CONSERVATION OF BIODIVERSITY THROUGH COUNTING OF ANIMALS: MARATHWADA REGION.

**Dr. Pratap V. Deshmukh and Prin. Dr. V. S. Kanwate**

**Nagnath Arts, Commerce and Science College Aundha Nagnath ,  
Dist- Hingoli.**

### ABSTRACT

**T**his paper deals with the study of study of biodiversity and mapping of animals through counting in some regions of Marathwada. Marathwada (Maharashtra) is covered by forest area with thick vegetation which contain no of variety of plants and animals. Also there is diversity in fauna which consists of animals like cat, wild pig, fox, deer, Peacock, eagle, crow, sparrow, different types of snakes, frogs etc. But in some part of this region there is cutting of valuable plants and hunting of some animals and birds, also by some natural scarcity of water, food which leads to migration or death. Due to this bad activity of human being and natural events, biodiversity of this region becomes loose which is very hazardous for this area. For this we want to take a step to aware the peoples and Government must be involved for the protection of biodiversity.

**KEYWORDS:** Biodiversity, Forest, Vegetation, Fauna etc.

### INTRODUCTION:

It is necessary to keep record of no of animals in our region, hence it is our duty to know the data regarding different types of animals in Marathwada region. Specially in

Nanded district different types of forest fauna areas are recorded like Kinwat , Mahur, Mandvi, Islapur, Apparao peth, Bodhadi, Hadgaon, Himayatnagar, Bhokar, Nanded, Mukhed, Degloor etc. In Hingoli district fauna is localized in Aundha, Hingoli, Kalamnuri etc. Wild animals are recorded in this region. In our Maharashtra state tiger project, National Sancturaries, Botanical gardens are established for conservation of wild life and biodiversity.

### MATERIAL AND METHOD:

For the counting of animals we had choose different forest areas, natural as well as artificial water dams, where animals drink water. The information

is also collected from forest officers as a preplanning. Counting of animals is done particularly in fullmoon (Pournima). To prepare a Machan nearby natural as well as artificial water sources. We had also taken support of Nisargmitra, forest officers and forest guards some local tribal peoples also. Machan is prepared in thick branches of tree nearby water source with the help of Bamboosticks. Machan is covered with branches and leaves , purpose is that it should be hidden. Machan should be convenient for the seating of two to three persons who are observer. Precaution should be taken that, no any movement on tree in machan. Machan should have small window within branches for observation of animals. The persons

# BIODIVERSITY



who count or observe the animals should not wear white or dark red cloths. Counting is done carefully.

## RESULT AND DISCUSSION:

In 2010 and 2014 central environment and forest department had counted tigers. In modern method no of tigers are counted with the help of trapcamera. The counting of animals particularly is done in Buddhapournima with high light. Counting of animals is done on the occasion of Budhapournima in forest areas which are located nearby source of water. Diurnal and nocturnal animals are counted from 4pm to next day 5pm total 25 hours. For this method Machan is prepared on tree in thick branches which is hidden and protected from animals. Wild life counting is essential for human being and environmental balance. There are about 480 artificial, 214 natural and 310 forest dams. Purpose- due to counting we know the no of animals and their species. To know the position of water sources. To note the habits of wild life animals. To plan about the protection of animals and human beings. Precautions- In summer due to high temperature some animals visit to dam for two time for drinking water tiger can drink water for more times in a day. Observer should identify animal properly. Machan should be prepared on proper distance and without disturbing animals. In Machan should not discuss about counting of animals. Cloths should be weared with natural correlation. Perfume or any other concentrate smell spray should be avoided. In moonlight should not use starch, flash camera, or electric light. Polythene bags should be avoided. Binocular should be used. Rules and regulation should be followed strictly.

Nocturnal animals are like Udmanjar, Jawadimanjar, Ghubad, Tadas. Diurnal and nocturnal animals are like Bibtya, Kalwit, Landge, Kolhe, Nilgaya, Khokad, Sayal instead of that peacock visit to dam in early sunlight morning and sunset evening. In Mahur forest on 21-22 May for 24 hours animals are counted on 13 water resources with the help of Machan. Then it is observed that

Boselaphus tragocamelus Nilgaya-92  
 Vulpes vulpes Fox (Kolhe)-04  
 Lycaon pictus Wild dog (Rankutra)-04  
 Felis sivestris Wild Cat (Ranmanjar)-09  
 Sus scrofa Wild Pig (Randukkar)-16  
 Oryctolagus cuniculus Rabbit (Sasa)-11  
 Ursidae Bear (Aswal)-03  
 Macaca fascicularis Monkey (Wanar)-42  
 Pavo cristatus Peacock-16

In such a way about 197 animals are counted. But due to scarcity of water tiger and bibtya is not observed

After construction of artificial water dam there is no solution of drinking of water for animals. Hence animals are migrating from this area for their convenience. Some animals are died due to nonavailability of water. Hence we want to take precaution and provision of drinking water for animals and conserve them.

## CONCLUSION:

Counting of wild animals is done for environmental balance, maintain food chain of nature. It is necessary for conservation of biodiversity. Some animals are on the way of extinction, becoming endangered. To avoid this, we must know our regional animals quantity. Now a days no of tigers are on the way of increasing. We must know the RED data book of animals. We should aware for food and drinking water of animals. Hunting should be avoided or prohibited. No of students are youngaged in birds services by putting water on the trees.

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