

**WILD BOAR (*Sus scrofa* Linnaeus, 1758) AND PARK-
PEOPLE CONFLICTS IN THANAPATI VDC,
SHIVAPURI NAGARJUN NATIONAL PARK,
NUWAKOT, NEPAL**



BY

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KATHMANU, NEPAL
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DECLARATION

I hereby declare that the work presented in this dissertation has been done myself and has not been submitted elsewhere for the award of any degree. All sources of information have been specifically acknowledged by references to the authors and institution.

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RECOMMENDATION

It is recommended that Mr. Pramod Pandey has completed his dissertation work entitled “**Wild Boar (*Sus scrofa* Linnaeus, 1758) And Park-People Conflicts in Thanapati VDC, Shivapuri Nagarjun National Park, Nuwakot, Nepal**” as a partial fulfillment of the M.Sc. Degree in Zoology under my supervision. His work is an original piece and is not submitted for any degree before. So, I strongly recommended this work for approval.

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LETTER OF APPROVAL

The dissertation presented by Mr. Pramod Pandey entitled “**Wild Boar (*Sus scrofa* Lannaeus, 1758) And Park-People Conflicts in Thanapati VDC, Shivapuri Nagarjun National Park, Nuwakot, Nepal**” has been accepted as a partial fulfillment of M.Sc. degree in zoology.

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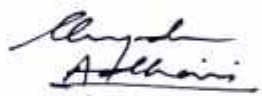
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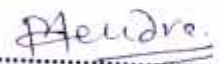
This dissertation work submitted by Pramod Pandey entitled “Wild Boar (*Sus scrofa* Linnaeus, 1758) And Park-People Conflicts in Thanapati VDC, Shivapuri Nagarjun National Park, Nuwakot, Nepal” has been approved for the partial fulfillment of the requirements for the Master's Degree of Science in Zoology with Ecology as specialization paper.

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ABSTRACT

The study of park people conflict was conducted in Thanapati VDC of Nuwakot district, located adjacent to north-western side of Shivapuri Nagarjun National Park. The whole VDC was represented the study area. The area was seriously affected by wild boar and other wildlife. The problems are increasing year by year. The research aimed to identify the level of conflict between local people and wildlife carried out in 2009/10. The survey was done in 121 households by both questionnaire and NAD method to assess crop and livestock depredation by wildlife for the year 2009-2010. Crop damage amounting 101152.94 kg was found due to wildlife in the study area. The study estimated economic loss of crop was RS. 1803982.68 of which 11.05% to paddy, 3.45% to wheat, 20.38% to maize, 5.20% to millet, 4.22% to mustard and 55.70% to potato. The economic loss was Rs. 14908.95 per household on an average.

As wild boar was a serious pest species of crop, 32.07% followed by porcupine (17.56%), rats (14.15%), monkey (13.42%), deer (12.89%), bear (5.87%) and birds (4.04%). The total economic loss of livestock and avian stock was Rs. 293400 in Thanapati VDC and average loss was Rs. 2446.44 per household. Traditional preventive measures include machan, fence and various types of scaring devices, which are partially successful to chase wild animals. The conflict between the park and the local people arose by the both sides.

Key Works: Wild boars, depredation, crops, conflicts and local people

List of contents

	Page No.
Declaration	I
Recommendation	II
Letter of Approval	III
Certificate of Approval	IV
Acknowledgement	V
Abstract	VI
Lists of tables, Figures and Plates	VII-IX
List of Abbreviations	X
List of Contents	XI-XII
1 Introduction	1-4
1.1 General Background	1
1.2 Objective of the study	3
1.3 Limitation of the study	3
1.4 Rationale of the study	4
2 Study Area	5-7
2.1 Description of the study area	5
2.2 Climate	5
2.3 Geology and Soil	5
2.4 Flora and fauna	5
2.5 Land use in Thanapati VDC	6
2.6 Social economic status	7
2.8 Animal husbandry	7
2.9 Farming System	7
3. Literature Review	8-10
4. Methodology	11-14
4.1 Reconnaissance survey	11
4.2 Data collection	11
4.2.1 Questionnaire Survey	11
4.2.2 Secondary data collection	11
4.3 Sampling	11
4.4 Field Observation and Net Area Damage measurement	12
4.4.1 Evaluation by Net Area Damage Method	13

4.6	Data Analysis	13
5.	Results	15-23
5.1	Effects on park by local people	15
5.2	Crop Depredation	15
5.2.1	Frequency of wildlife's visit to different crops	16
5.2.2	Population size of wildlife	16
5.2.3	The Gross Area and Net Area damaged of crops by wildlife	17
5.2.4	Net Area Damage (NAD) of crops by wild life	17
5.2.5	Percentage of Net Area Damage (NAD) of crops by wild lives	18
5.2.6	Total Expected Yield of different crops	18
5.2.7	Loss of crops by wild lives	19
5.2.8	Loss of crops by different wild lives	19
5.2.9	Economic loss of different crops	20
5.2.10	Total Economic loss of different crops by different wildlife (in NC)	20
5.2.11	Ranking of wildlife in crop damage	21
5.3	Total number of livestock reared by the sampled households	21
5.3.1	Live stocks depredation by wild lives	22
5.3.2	Estimated economic loss by livestock depredation in the study area	22
6.	Discussion	24-28
7.	Conclusion and Recommendations	29-30
7.1	Conclusion	29
7.2	Recommendations	30
	Platelets	31-35
	References	36-39
	Appendix	40-61

LIST OF TABLES

Table-1	:	Total cultivated land of sampled area (In ropani)
Table-2	:	Productivity of different crops
Table-3	:	Local name, Common name and Scientific name of the crops grown in the study area
Table-4	:	Cropping Calendar
Table-5	:	Name, area and establishment of Nepal's protected areas
Table-6	:	Protected mammals, birds and reptiles in Nepal
Table-7	:	Meteorological data on temperature, rainfall and humidity for the year 2007/2008 at Kakani Station
Table-8	:	Effects on park by local people
Table-9	:	Frequency of wildlife's visit to different crops in the sampled area
Table-10	:	Number of wildlife raiding the crops and preying upon livestock and avian stock
Table-11	:	Total Gross Area and Net Area Damage of crops by wildlife in the sampled area (in ropani)
Table-12	:	Net Area Damage (NAD) of different crops by different wildlife in the sampled area (in ropani)
Table-13	:	Percentage of Net Area Damage of different crops done by different wildlife in sampled area
Table-14	:	Total Expected Yield of different crops in the sampled area.
Table-15	:	Loss of crops and their percentage of loss by NAD method in the sampled area
Table-16	:	Loss of different crops by different wildlife in the sampled area (in kg)
Table-17	:	Total economic loss of different crops (NPR)
Table-18	:	Economic loss of different types crops by different wild animals (NPR)
Table-19	:	Number of livestock and avian stock reared in Thanapati VDC
Table-20	:	Loss percent and estimated monetary value of livestock and avian stock in the study area
Table-21	:	Number of loss of livestock and avian stock by wildlife (per year)
Table-22	:	Ward number, total number of households, number of sampled households and its percentage

LIST OF FIGURES

- Figure 1 : Thanapati VDC
- Figure 2 : A damaged plot
- Figure 3 : Effects on park by local people
- Figure 4 : Frequency of wildlife's visit to different crops in the sampled area
- Figure 5 : Number of wildlife raiding the crops and preying upon livestock and avian
- Figure 6 : Total Gross Area and Net Area Damage of crops by wildlife in the sampled area (in ropani).
- Figure 7 : Net Area Damage (NAD) of different crops by different wildlife
- Figure 8 : Percentage of Net Area Damage of different crops done by different wildlife
- Figure 9 : Total Expected Yield of different crops in the sampled area
- Figure 10 : Loss of crops by NAD method in the sampled areas
- Figure 11 : Loss of different crops by different wildlife in the sampled area (in kg)
- Figure 12 : Total economic loss of different crops (NPR)
- Figure 13 : Economic loss of different types crops by different wild animals (NPR)
- Figure 14 : Ranking of wildlife in crop damage
- Figure 15 : Total number of animals reared in the study area
- Figure 16 : Number of animals lost by wild lives
- Figure 17 : Estimated monetary value of livestock and avian stock in the study area
- Figure 18 : Monthly variation in mean maximum and mean minimum temperature for the year 2007/08 recorded at Kakani station
- Figure 19 : Monthly variation in average monthly rainfall (mm) for the year 2007/08 recorded at Kakani station
- Figure 20 : Monthly variation in average monthly humidity (%) for the year 2007/08 at Kakani station

LIST OF PHOTO PLATES

- Plate-1 : Main gate to enter the national park
- Plate-2 : Dense forest near the Shivapuri Peak
- Plate-3 : Adjacent forest from the study area, Thanapati VDC
- Plate-4 : After a questionnaire survey with villagers
- Plate-5 : Damage made in paddy field by wild animals
- Plate-6 : North view from the study area, Thanapati VDC
- Plate -7 : Rootling made by Wild boar
- Plate-8 : Maize farm destroyed by Wild boar
- Plate-9 : Foot print of Wild boar

LIST OF ABBREVIATIONS

BNP	=	Bardia National Park
Cm	=	Centimetre
CITES	=	Convention on International Trade of Endangered Species
CNP	=	Chitwan National Park
CNPPA	=	Commission on National Parks and Protected Areas
DNPWC	=	Department of National Park and Wildlife Conversation
Hh	=	Household
IUCN	=	International Union for Conservation of Nature
Kg	=	Kilogram
Km	=	Kilometre
NAD	=	Net Area Damage
NPWC	=	National Park and Wildlife Conversation
Rs.	=	Rupees
Nrs.	=	Nepalese rupees
%	=	Percentage
ShNNP	=	Shivapuri Nagarjun National Park
SPWR	=	Sukla Phanta Wildlife Conversation
SIWDP	=	Shivapuri Integrated Watershed Development Project
SWWR	=	Shivapuri Watershed and Wildlife Reserve
UNESCO	=	United Nations Educational, Scientific and Cultural Organization
VDC	=	Village Development Committee
WCMC	=	World Conservation Monitoring Centre
WWF	=	World Wildlife Fund