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Conservation Strategies And  
Management In India

# **Wildlife Conservation Strategies And Management In India**

When the first edition of Urban Wildlife Management was published two years ago, it provided conservationists, ecologists, and wildlife professionals with a welcome shift in the way that interactions between humans and wildlife were viewed and managed. Instead of focusing on ways to evict or eradicate wildlife encroached on by urban development, this unique work took a holistic, ecosystems approach. Gathering information from more than five hundred academic

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sources and the popular media, this book educated us on the complete nature of the problem. See what's new in the Second Edition: New information garnered from secondary data sets Added contributions from an extended list of leading wildlife specialists Original research conducted by the authors and their students New chapters on urban soils, urban waters, and zoonotic diseases More perspective essays and case studies Single species profiles in each chapter that focus on management issues Numerous tables examining trends by species and by region Through discussions of past and present approaches in the United States, the book

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explores the changing landscape of wildlife management and future approaches. Urban habitats and hazards are defined in terms of green and gray spaces.

Sociopolitical issues are discussed in terms of wildlife management, stakeholder responsibilities, and legal considerations. And wildlife are viewed as adaptive inhabitants of an evolving ecosystem rather than as interlopers in a humans only world. The author maintains a blog exploring wildlife in our own backyard.

This practical handbook describes the principles and techniques of managing and creating habitats worldwide including grasslands, forests, scrub, freshwater wetlands,

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coastal habitats, arable land, urban areas and gardens. Essential reading for conservation biologists and an invaluable resource for all those involved in conservation land management.

This set of exercises has been created expressly for students and teachers of conservation biology and wildlife management who want to have an impact beyond the classroom. The book presents a set of 32 exercises that are primarily new and greatly revised versions from the book's successful first edition. These exercises span a wide range of conservation issues: genetic analysis, population biology and management, taxonomy, ecosystem management, land use

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planning, the public policy process and more. All exercises discuss how to take what has been learned and apply it to practical, real-world issues. Accompanied by a detailed instructor ' s manual and a student website with software and support materials, the book is ideal for use in the field, lab, or classroom. Also available: Fundamentals of

Conservation Biology, 3rd edition (2007) by Malcolm L Hunter Jr and James Gibbs, ISBN

9781405135450 Saving the Earth as a Career: Advice on Becoming a Conservation Professional (2007) by Malcolm L Hunter Jr, David B Lindenmayer and Aram JK Calhoun, ISBN 9781405167611

The United States' tradition of

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conserving fish, wildlife, habitats, and cultural resources dates to the mid-19th century. States have long sought to manage fish and wildlife species within their borders, whereas many early federal conservation efforts focused on setting aside specific places as parks, sanctuaries, or reserves. With advances in landscape ecology over the past quarter-century, conservation planners, scientists, and practitioners began to stress the importance of conservation efforts at the scale of landscapes and seascapes. These larger areas were thought to harbor relatively large numbers of species that are likely to maintain population viability and sustain

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ecological processes and natural disturbance regimes - often considered critical factors in conserving biodiversity. By focusing conservation efforts at the level of whole ecosystems and landscape, practitioners can better attempt to conserve the vast majority of species in a particular ecosystem. Successfully addressing the large-scale, interlinked problems associated with landscape degradation will necessitate a planning process that bridges different scientific disciplines and across sectors, as well as an understanding of complexity, uncertainty, and the local context of conservation work. The landscape approach aims to develop shared

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conservation priorities across jurisdictions and across many resources to create a single, collaborative conservation effort that can meet stakeholder needs. Conservation of habitats, species, ecosystem services, and cultural resources in the face of multiple stressors requires governance structures that can bridge the geographic and jurisdictional boundaries of the complex socio-ecological systems in which landscape-level conservation occurs. The Landscape Conservation Cooperatives (LCC) Network was established to complement and add value to the many ongoing state, tribal, federal, and nongovernmental efforts to



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address the challenge of conserving species, habitats, ecosystem services, and cultural resources in the face of large-scale and long-term threats, including climate change. A Review of the Landscape Conservation Cooperatives evaluates the purpose, goals, and scientific merits of the LCC program within the context of similar programs, and whether the program has resulted in measurable improvements in the health of fish, wildlife, and their habitats.

Concepts and Applications in  
Forestry

Game Management  
Mechanisms, Conservation, and

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## Management Ecological Consequences of Climate Change

### The Basics

The second edition of Wildlife Ecology, Conservation, and Management provides a thorough introduction to general ecological principles and examines how they can be applied to wildlife management and conservation.

Expanded and updated, this second edition includes new chapters on understanding ecosystems and the use of computer models in wildlife management Gives a comprehensive, up-to-date overview of ecology including the latest theories on population dynamics and conservation

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Reviews practical applications and techniques and how these can be used to formulate realistic objectives within an ecological framework. Examples of real-life management situations from around the world provide a broad perspective on the international problems of conservation. Worked examples on CD enable students to practice calculations explained in the text. Artwork from the book is available to instructors online at [www.blackwellpublishing.com/sinclair](http://www.blackwellpublishing.com/sinclair). An Instructor manual CD-ROM for this title is available. Please contact our Higher Education team at [HigherEducation@wiley.com](mailto:HigherEducation@wiley.com) for more information. Note: CD-ROM/DVD and other supplementary materials are not

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included as part of eBook file.  
Wildlife Management and  
Conservation Contemporary  
Principles and Practices JHU Press  
Conservation Biology for All  
provides cutting-edge but basic  
conservation science to a global  
readership. A series of  
authoritative chapters have been  
written by the top names in  
conservation biology with the  
principal aim of disseminating  
cutting-edge conservation  
knowledge as widely as possible.  
Important topics such as  
balancing conversion and human  
needs, climate change,  
conservation planning, designing  
and analyzing conservation  
research, ecosystem services,  
endangered species  
management, extinctions, fire,

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habitat loss, and invasive species are covered. Numerous textboxes describing additional relevant material or case studies are also included. The global biodiversity crisis is now unstoppable; what can be saved in the developing world will require an educated constituency in both the developing and developed world. Habitat loss is particularly acute in developing countries, which is of special concern because it tends to be these locations where the greatest species diversity and richest centres of endemism are to be found. Sadly, developing world conservation scientists have found it difficult to access an authoritative textbook, which is particularly ironic since it is these countries where the

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potential benefits of knowledge application are greatest. There is now an urgent need to educate the next generation of scientists in developing countries, so that they are in a better position to protect their natural resources. This useful compendium demonstrates that researchers and scientists should follow their lead.

Concepts In Wildlife Management

3Rd Revised And Enlarged Edn

Future Courses of Action and

Alternative Strategies

Habitat Management for

Conservation

Models for Planning Wildlife

Conservation in Large Landscapes

Wildlife Conservation and

Management in Wyoming

Identifying Indicators for Triple

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Bottom Line Sustainability

*This novel textbook provides the first consolidated overview of the scope, purpose, and applications of conservation physiology with a focus on wildlife. It outlines the major avenues and advances by which the field is contributing to the monitoring, management, and restoration of wild animal populations.*

*Organ, James Peek, William Porter, John Sandlos, James A. Schaefer*

*The Present Book Has Been Thoroughly Revised And Enlarged. Some New Chapters Like Status Of Wildlife*

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*Management In India, Extinction  
Organisms, Elephant  
Conservation Project, Wetland  
Management, Wetland Birds,  
Asian Water Fowl Census,  
Mysteries Of Migration, Basics  
And Theories Of Biodiversity,  
Recently Amended Wildlife  
Schedules, National And State  
Level Symbols Of Plants And  
Animals Are Incorporated. It Will  
Be One Of The Most  
Comprehensive Book Available  
So Far To The Readers That  
Deciphers The Information  
About Wildlife. This Book Is First  
Of Its Kind To Embody Subjects  
Like Integrated Concepts Of  
Ecosystem Management,*



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*Wildlife Conservation And  
Management, Ethical, Ecological  
And Recreational Importance Of  
Wildlife, Endangered Flora And  
Fauna Of India, Wildlife Zones,  
Special Conservation Schemes  
On Tiger, Elephant, Lion, Musk  
Deer, Brow Antler, Crocodile,  
Great Indian Bustard Etc.,  
Protection Of Orchid And  
Butterflies Diversity, Wildlife  
Protection Act, 1972, Its Details,  
Important Methodologies About  
Environmental Impact  
Assessment And Government  
And Non-Government  
Organizations Concerned To The  
Protection Of Wildlife And  
Environmental Waste Auditing*

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*For Siting Industries. It Is Useful  
To The Students And Teachers  
Of Biological Sciences Of All The  
Colleges And Universities Of  
India. Contents Chapter 1:  
Wildlife Conservation And  
Management, General  
Importance, Causes For  
Endangering The Species,  
Important Zones In India,  
Protected Species Of India,  
Management Packages; Chapter  
2: Status Of Wildlife  
Management In India,  
Introduction, Biological  
Diversity, The Current Status Of  
India S Wildlife, Floral Wealth,  
Endemic Plant Species, History  
Of Wildlife Management, India S*

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*Protected Area Network;  
Chapter 3: Endangered Flora  
And Fauna Of India;  
Introduction, General  
Background To The Problem Of  
Threat To Plant Species, Wildlife  
Zones For Flora, Himalaya And  
Eastern India, Rajasthan And  
Gujarat, Gangetic Plan,  
Peninsular India, Andaman And  
Nicobar, Lacunae In Our  
Understanding About  
Endangered Plants, Protection  
Strategies, Endangered Fauna  
Of India, Save Endangered  
Species, The Indian Scene,  
Mammals, Birds, Reptiles,  
Amphibians; Chapter 4:  
Extinction Of Organisms,*

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*Introduction, Trends Of  
Extinction, Endangered Species,  
Species Characteristics And  
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Conservation Schemes,  
Introduction, Project Tiger,  
Status Of Tiger In The World,  
Achievement Of The Project  
Tiger, Threat To The Tiger,  
Global Tiger Forum (Gtf), Gir  
Lion Sanctuary Project,  
Crocodile Breeding Project,  
Project Hangul, Himalayan Musk  
Deer-Ecology And Conservation  
Project, Shangi Or Manipur Brow-  
Antlered Deer Project Or  
Manipur Deer Project, Project  
Elephant, Project On Great  
Indian Bustard, Summary;*

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*Chapter 6: Management Of Rangelands, Forests And Wildlife Corridors, Types Of Rangelands, Plant Biomass, Productivity And Food Web; Characteristics Of Rangelands, Types Of Grazing Animals, Rangeland Conditions, Forests, Forest Types, Depletion Of Forests, Management Of Forests, Wildlife Corridors; Chapter 7: Wildlife Reserves And National Parks, Introduction, Protected Area Management Categories, National Parks, Wildlife Sanctuaries, Biosphere Reserves; Chapter 8: Protection Of Orchids And Butterflies,*

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*Orchids, Historical Aspects,  
Present Status, Protection  
Measures, Butterflies, Insect  
Culturing, Butterfly Species Of  
India, Protection Measures;  
Chapter 9: Role Of Zoos, Parks  
And Sanctuaries For  
Conservation Of Wildlife,  
Introduction, Indian Scenario,  
Common Wild Animals In Indian  
Zoo, National Parks And Wildlife  
Sanctuaries, Legislation And  
Recommendations Of The  
Global Committee For  
Conservation, Feeds And  
Feeding Of Some Wild  
Mammals, Breeding Of Wild  
Mammals, Management Of Wild  
Animals, Healthcare Of Wild*

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*Mammals; Chapter 10:  
Management Of Wetland Birds,  
Introduction, Types Of  
Wetlands, Waterfowls,  
Population And Distribution,  
Habitat Use, Food And Feeding,  
Breeding Population,  
Management, Principles, Major  
Groups Of Wetland Birds,  
Specific Requirements,  
Identification Character;  
Chapter 11: Asian Waterfowl  
Census, Introduction, Asia-  
Pacific Migratory Waterbird  
Conservation Strategy  
1996-2000, Awc Report On  
India, Criteria For Identifying  
Wetlands Of International  
Importance, Guidelines For*

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*Application Of The Criteria;  
Chapter 12: Ramsar Wetlands,  
Introduction, Distribution,  
Problems Faced By Lentic  
Systems, Wetland Conservation,  
Criteria For The Selection Of  
Unique Wetlands, Indian  
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Lake System, Caset Study Ii:  
Kolleru Lake, Case Study Iii:  
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Migration, Migration Basics?  
Types Of Migration, Velocity And  
Altitude, Duration And Distance,  
Accuracy And Regularity, Bird  
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Birds, Methods Of Studying Bird*



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*Migration, Advantages Of  
Migration, Origin Of Migration;  
Chapter 14: Biodiversity:  
Conservation And Management,  
Preamble, Loss Of Biodiversity,  
Conservation Of Biodiversity,  
Ancient Methods Of  
Conservation, Current Methods  
Of Conservation,  
Biotechnology And Biodiversity,  
Legal Aspects Of Biodiversity  
Conservation, Wildlife Protection  
Act, 1972, Biodiversity  
Conservation And Agenda-21,  
International Biodiversity  
Convention; Chapter 15:  
General Theories Of  
Biodiversity, Explanation To  
Species Richness Gradients, Co-*

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*Existence Of Species Of Santa Rosalina Concept, The Diversity: Stability Hypothesis; Chapter 16: The Wildlife (Protection) Act, 1972, Chapter Iii A-Protection Of Specified Plants, Chapter Iv-Sanctuaries, National Parks And Closed Areas; Chapter 17: The Wildlife (Protection) Act, 1972-Schedules, Schedule I-Part I-Mammals, Part Ii-Amphibians And Reptiles, Part Ii A-Fishes, Part Iii-Birds, Part Iv-Crustaceans And Insects, Part Iv A-Coelenterates, Part Iv B-Mollusca, Part Iv C-Echinodermata, Schedule Ii, Schedule Iii, Schedule Iv, Schedule Vi; Chapter 18:*

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*Wildlife Crimes, Introduction,  
Wildlife Crime, Prevention Of  
Wildlife Crimes, How Large Is  
Wildlife Crimes? Agencies To  
Stop Wildlife Crimes, Laws And  
Regulations Of Wildlife Crimes,  
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Smuggling, Methods Of  
Poaching, Collection Of  
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Investigating The Time Of  
Death, Identification Of Teeth  
And Claws, Identification Of  
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Go To Court; Chapter 19: Wwf-  
India And Bnhs/Ibcn,  
Introduction To Wwf-India, The*

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*Bombay Natural History Society (Bnhs), Hornbill House, The Society S Logo, Short-Term Projects And Field Studies, Conservation Education Centre, Indian Bird Conservation Network (Ibcn); Chapter 20: National And State Plants And Animals Of India; Chapter 21: Environmental Impact Assessment (Eia), General Aspects, Aim Of Eia, Contents Of Eia, Eia In India, Screening And Iee, Eia Report, Assessment Of Methodologies, Industries And Environmental Guidelines, Ecologically Sensitive Areas, Environmental Master Plan, A Case Study Of Human Impact*

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*On Himalayan Ecosystem;  
Chapter 22: Environmental  
Waste Auditing, Importance,  
Concept, Components,  
Objectives, Environmental  
Auditing In India, Form V.  
Cheetahs: Biology and  
Conservation reports on the  
science and conservation of the  
cheetah. This volume  
demonstrates the  
interdisciplinary nature of  
research and conservation  
efforts to study and protect the  
cheetah. The book begins with  
chapters on the evolution,  
genetics, physiology, ecology  
and behavior of the species, as  
well as distribution reports from*

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*range countries. These introductory chapters lead into discussions of the challenges facing cheetah survival, including habitat loss, declining prey base, human-wildlife conflict, illegal trade, and newly-emerging threats, notably climate change. This book also focuses on conservation strategies and solutions, including environmental education and alternative livelihoods. Chapters on the role of captive cheetahs to conservation and the long-term research of the species are included, as are a brief discussion of the methods and*

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*analyses used to study the cheetah. The book concludes with the conservation status and future outlook of the species. Cheetahs: Biology and Conservation is a valuable resource for the regional and global communities of cheetah conservationists, researchers, and academics. Although cheetah focussed the book provides information relevant to the study of broader topics such as wildlife conservation, captive breeding, habitat management, conservation biology and animal behaviour. Cover photograph by Angela Scott Includes chapters by the world's leading cheetah*

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*researchers and practitioners, who have focused their efforts on this high-profile species of conservation concern Provides findings as a combination of scientific detail and basic explanations so that they can be available not only to cheetah researchers and conservationists, but also to policy makers, business leaders, zoo managers, academics, students, and people interested in the cheetah and its future Presents the current knowledge of the species, helping lay the foundations and best practices for cheetah conservation and research worldwide Additional*



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*protocols and forms (which were provided by authors) can be found at the Cheetahs: Biology and Conservation companion site: <https://www.elsevier.com/books-and-journals/book-companion/9780128040881>*

*Wildlife Conservation in Africa  
Concepts in Wildlife  
Management*

*Estrategia mundial para la  
conservación : la conservación  
de los recursos vivos para el  
logro de un desarrollo sostenido*

*Connecting Research with  
Management*

*Scientific Foundations of Zoos  
and Aquariums*

*A Handbook of Techniques*

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Mexico is the fourteenth largest country in the world and ranks fifth in biodiversity. Located in the transition zone between the temperate and tropical regions of North and South America, Mexico is an important migratory corridor for wildlife and also provides wintering habitat for several species of bats, monarch butterflies, and temperate North American nesting birds. Mexico faces several challenges to wildlife management and conservation efforts. While there is increased public education and acknowledgment of the valuable benefits wildlife provides, there is still much work to do to incentivize conservation efforts. Fortunately, there is growing recognition that Mexico's wildlife resources can be a critical component in the rural economic development of the country. Bringing

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together an international team of wildlife experts across North America, Wildlife Ecology and Management in Mexico provides information on the status, distribution, ecological relationships, and habitat requirements and management of the most important game birds and mammals in Mexico. It also reviews current threats and challenges facing wildlife conservation as well as strategies for resolving these issues. This reference is a valuable tool for wildlife biologists, wildlife management professionals, and anyone interested in conserving Mexico's wealth of natural resources. By laying out the challenges to conservation research, editors Raul Valdez and J. Alfonso Ortega-S. hope to encourage interdisciplinary communication and collaboration across borders.

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An ideal refresher guide packed with useful references, this thorough survey covers all fundamental topics and principles of wildlife management and includes pertinent discussions on top issues affecting the field today.

Discusses such basic components as the history and evolution of wildlife management, conservation ideas, population dynamics, decimation and welfare factors, census terminology, the goals of management to employment opportunities in the field, current and future issues, and much more. Suggests numerous outside reference sources for additional enrichment on an array of rudimentary and contemporary issues. For professionals in the fields of agriculture, wildlife management, and conservation biology.

In recent years, conflicts between

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ecological conservation and economic growth forced a reassessment of the motivations and goals of wildlife and forestry management. Focus shifted from game and commodity management to biodiversity conservation and ecological forestry. Previously separate fields such as forestry, biology, botany, and zoology merged into a common framework known as conservation biology and resource professionals began to approach natural resource problems in an interdisciplinary light. *Wildlife Habitat Management: Concepts and Applications in Forestry* presents an integrated reference combining silvicultural and forest planning principles with principles of habitat ecology and conservation biology. With extensive references and case studies drawn from real situations, this

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book begins with general concepts such as habitat selection, forest composition, influences on habitat patterns, and the dynamics of disturbance ecology. It considers management approaches for specific habitats including even-aged and uneven-aged systems, riparian areas, and dead wood and highlights those approaches that will conserve and manage biodiversity. The author discusses assessment and prioritization policies, monitoring techniques, and ethical and legal issues that can have worldwide impact. Detailed appendices provide a glossary, scientific names, and tools for measuring and interpreting habitat elements. Writing in a species-specific manner, the author emphasizes the need to consider the potential effects of management decisions on

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biodiversity conservation and maintains a holistic approach throughout the book. Drawing from the author's more than 30 years working and teaching in natural resources conservation, *Wildlife Habitat Management: Concepts and Applications in Forestry* provides a synopsis of current preservation techniques and establishes a common body of knowledge from which to approach the conservation of biodiversity in the future.

*Wildlife Management and Conservation* presents a clear overview of the management and conservation of animals, their habitats, and how people influence both. The relationship among these three components of wildlife management is explained in chapters written by leading experts and is designed to

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prepare wildlife students for careers in which they will be charged with maintaining healthy animal populations; finding ways to restore depleted populations while reducing overabundant, introduced, or pest species; and managing relationships among various human stakeholders.

Topics covered in this book include •

- The definitions of wildlife and management
- Human dimensions of wildlife management
- Animal behavior
  - Predator – prey relationships
- Structured decision making
- Issues of scale in wildlife management
- Wildlife health
- Historical context of wildlife management and conservation
- Hunting and trapping
- Nongame species
- Nutrition ecology
- Water management
- Climate change
- Conservation planning
- Problem-Solving in Conservation



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Biology and Wildlife Management

Linkages in the Landscape

Wildlife Ecology, Conservation and  
Management

Conservation Biology for All

Wildlife Management and

Conservation

Strategies for Twenty First Century : a  
Conference

**A single-resource volume  
of information on the  
most current and  
effective techniques of  
wildlife modeling, Models  
for Planning Wildlife  
Conservation in Large  
Landscapes is  
appropriate for students  
and researchers alike.  
The unique blend of**

**conceptual, methodological, and application chapters discusses research, applications and concepts of modeling and presents new ideas and strategies for wildlife habitat models used in conservation planning. The book makes important contributions to wildlife conservation of animals in several ways: (1) it highlights historical and contemporary advancements in the development of wildlife habitat models and their**

**implementation in conservation planning; (2) it provides practical advice for the ecologist conducting such studies; and (3) it supplies directions for future research including new strategies for successful studies. Intended to provide a recipe for successful development of wildlife habitat models and their implementation in conservation planning, the book could be used in studying wildlife habitat models, conservation planning, and**

**management techniques. Additionally it may be a supplemental text in courses dealing with quantitative assessment of wildlife populations. Additionally, the length of the book would be ideal for graduate student seminar course. Using wildlife habitat models in conservation planning is of considerable interest to wildlife biologists. With ever tightening budgets for wildlife research and planning activities, there is a growing need to use**

**computer methods. Use of simulation models represents the single best alternative. However, it is imperative that these techniques be described in a single source. Moreover, biologists should be made aware of alternative modeling techniques. It is also important that practical guidance be provided to biologists along with a demonstration of utility of these procedures. Currently there is little guidance in the wildlife or**

**natural resource planning literature on how best to incorporate wildlife planning activities, particularly community-based approaches. Now is the perfect time for a synthestic publication that clearly outlines the concepts and available methods, and illustrates them. Only single resource book of information not only on various wildlife modeling techniques, but also with practical guidance on the demonstrated utility of each based on real-world**

**conditions. Provides concepts, methods and applications for wildlife ecologists and others within a GIS context. Written by a team of subject-area experts India is the seventh largest country and Asia's second most populous country with an area of 3,387,263 km<sup>2</sup>. It Possesses diverse climatic regions and habitats. Though India became independent six decades ago, still we are unable to document and manage our wildlife**

**resources. Presently most of the literature on wildlife is available in the form of few books and monographs which are mainly related to European and African wild life. Good number of workers are involved in the study of wildlife of India, and these persons work for their specific research projects, and it is degree oriented, many time they do not visit field or they rely on secondary data or only depend on their project fellows information. Such**



**studies will not give true picture about the ground reality, specially it is true about studies on Avifauna. Presently there are six Institutes in India which offer M Sc in wild life. Most of these students suffer from non avilability of books and relevant information. Now a days study on wild life has been tagged with eco-toruism concept, which become an attractive tool to invite tourists and hence to earn income. An attempt is made in this book to**

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**provide all the important information on wildlife. In addition to those the chapters of II edition, the III edition has been revised and four new chapters are incorporated. This book is a rare source of wide information on wild resources. This title embodies 25 chapters on various aspects of wild life of India. Chapter first, begins with the knowledge on Wildlife Conservation and management. It was followed by Endangered**

**flora and fauna;  
Extinction of organisms;  
Special conservation  
schemas for critically  
endangered species;  
Management of range  
lands; Wildlife reserves;  
Zoos and parks; Wetland  
birds; Asian water fowls  
census; Ramsar wetlands;  
Birds migration;  
Biodiversity; Theories of  
biodiversity; Zoo  
geography; Wildlife  
diseases; Remote sensing  
and wildlife; Wildlife  
crimes; protection act  
1972; Protection  
schedules; Wildlife**

**crimes; Indian NGO s;  
National and State plant,  
animal and flower; and  
this book closes by an  
important topic on  
Environmental impact  
assessments and waste  
auditing. This edition is  
prepared to cater the  
needs of all the  
graduates and post  
graduates courses of  
Indian universities,  
Forest officials, NGO s  
and wildlife lovers as  
well. if this book is able  
to create interest and  
awareness to some  
extent among common**

**public about wild  
resources, then I fell my  
efforts have started  
gaining dividends.**

**Contents Chapter 1:  
Wildlife Conservation and  
Management, General  
importance; Causes for  
endangering the species;  
Important zones in India ;  
Protected species of  
India; Management  
package; Chapter 2:  
Status of Wildlife  
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Introduction; Biological  
diversity; The current  
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Floral wealth; Endemic**

**Plant species; History of  
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India s protected area  
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Protection strategies;**

**Endangered fauna of  
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Achievement of the  
Project tiger; Threat to  
the tiger; Global tiger  
forum (GTF); Gir lion**

**sanctuary project;  
Crocodile breeding  
project; Project hangul;  
Himalayan Musk Deer-  
ecolog and conservation  
project; Shangi or  
Manipur brow-antlered  
deer project or Manipur  
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Types of rangelands;  
Plant biomass,  
Productivity and food  
web; Characteristics of  
rangelands; Types of  
grazing animals;**



**rangeland conditions;  
Forests; Forest types;  
Depletion of forests;  
Management of forests;  
Wildlife corridors;  
Chapter 7: Wildlife  
Reserves and National  
Parks, Introduction;  
Protected area  
management categories;  
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guidelines; Ecologically  
sensitive areas;  
Environmental Master  
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Himalayan ecosystem;  
Importance; Concept;**

## **Components; Objectives; Environmental auditing in India; Form V.**

**The loss and fragmentation of natural habitats is one of the major issues in wildlife management and conservation. Habitat "corridors" are sometimes proposed as an important element within a conservation strategy. Examples are given of corridors both as pathways and as habitats in their own right. Includes detailed reviews of principles relevant to**

**the design and management of corridors, their place in regional approaches to conservation planning, and recommendations for research and management.**

**Contemporary climate change is a crucial management challenge for wildlife scientists, conservation biologists, and ecologists of the 21st century. Climate fingerprints are being detected and documented in the responses of hundreds of**

**wildlife species and numerous ecosystems around the world. To mitigate and accommodate the influences of climate change on wildlife and ecosystems, broader-scale conservation strategies are needed. Ecological Consequences of Climate Change: Mechanisms, Conservation, and Management provides a mechanistic understanding of biotic responses to climate change, in order to better**



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**inform conservation and management strategies. Incorporating modeling and real-world examples from diverse taxa, ecosystems, and spatio-temporal scales, the book first presents research on recently observed rapid shifts in temperature and precipitation. It then explains how these shifts alter the biotic landscape within species and ecosystems, and how they may be expected to impose changes in the future. Also included are major sections on**

**monitoring and conservation efforts in the face of contemporary climate change. Contributors highlight the general trends expected in wildlife and ecological responses as well as the exceptions and contingencies that may mediate those responses. Topics covered include: Description and quantification of how aspects of climate have recently changed, and may change in the future Species-level and higher-order ecological**

**responses to climate change and variability Approaches to monitor and interpret ecological effects of climatic variability Conservation and management efforts The book discusses the quantification of the magnitude and variability in short-term responses, and delineates patterns of relative vulnerability among species and community types. It offers suggestions for designing investigations and management actions, including the long-term**

**monitoring of ecological consequences of rapid climate change. It also identifies many of the biggest gaps in current knowledge, proposing avenues for further research. Bringing together many of the world's leading experts on ecological effects of climate change, this unique and timely volume constitutes a valuable resource for practitioners, researchers, and students.**

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**in a Changing World  
Applying Wildlife  
Conservation Tourism to  
Marine Endangered  
Species  
Wildlife Management  
Trends in Wildlife  
Biodiversity Conservation  
and Management  
Monitoring and  
Evaluation of an  
Enterprise-based  
Strategy for Wildlife  
Conservation in the  
Crater Mountain Wildlife  
Management Area (Papua  
New Guinea)  
The North American  
Model of Wildlife**

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## **Conservation**

Biodiversity

Conservation and Habitat

Management is a

component of

Encyclopedia of Natural

Resources Policy and

Management in the global

Encyclopedia of Life

Support Systems (EOLSS),

which is an integrated

compendium of twenty one

Encyclopedias.

Biodiversity is

declining worldwide at a

very unprecedented rate

as a complex response to

several human-induced

changes in the global

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environment. The magnitude of these changes is so large and their effects are so strongly linked to the altered ecosystem processes and to human (ab-)use of natural resources that biodiversity loss is today perceived as one of the most important issues that humankind should face with extreme urgency. Disseminating information, raising awareness, and propelling concern within a diversified

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target audience (general public, schools, local authorities, and government agencies) are also essential to develop shared responsibility and to encourage collaborative efforts and compliance. This has been the main objective of "Biodiversity Conservation and Habitat Management". The Theme on Biodiversity Conservation and Habitat Management provides the essential aspects and a myriad of issues of



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great relevance to our world in eight major topics of discussion, and is focused on 1) History and Overview of Biodiversity Conservation and Protected Areas, 2) Management of Forests and other Wooded Habitats, 3) Management of Savannahs and Other Open Habitats, 4) Management of Wetlands, 5) Management of Tourism and Human Recreation Pressure, 6) Conservation Strategies, Species Action Plans and

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Translocation, 7)

Captive Breeding and  
Gene Banks, and 8)

Eradication and Control  
of Invasive Species.

These two volumes are  
aimed at the following

five major target

audiences: University  
and College students

Educators, Professional  
practitioners, Research

personnel and Policy  
analysts, managers, and

decision makers and  
NGOs.

This book Trends in  
Wildlife Biodiversity  
and Conservation and

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Management has been edited in two volume, on most important aspects of wildlife. It contain 32 chapter contributed by many eminent scientists, officers and teachers from India and United Kingdom. Volume 1 contains information on the topics namely:  
Status of wildlife management in India, Karnataka, Bhadra wild life sanctuary in the Western Ghats, Parental care in asiatic elephants, Territory protection and scent

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marking in big cats,  
Child lifting wolves,  
Medicinal smuggling for  
tiger bones, Acoustic  
communication in  
anurans, Conflicts  
between man and  
elephants, Protection  
strategies for migratory  
birds, Mugger crocodiles  
of Dandell WLS, and  
Ornamental orchids of  
India. The Volume 2  
comprises information on  
Basic concepts of  
biodiversity,  
Biodiversity of  
Drosophila, Ants in the  
Western Ghats,

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hillstream fishes of  
Srinagar Garhwal-  
Himalaya, Medicinal  
plants of Western Ghats,  
Ecology of endangered  
Gangaitic dolphin,  
Problems and perspective  
of avian and vertebrate  
pest management,  
Deforestation problems  
in Santhal Pargana,  
Siberian cranes, Bird  
census methods and Role  
of Zoo s National Parks  
and Sanctuaries in the  
conservation and  
management of wildlife  
in India. These books

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apart from providing good references, these also serve as a guide and inspire future research on wildlife.

The students, teachers, scientists and forest officers are expected to find this as a very useful source, in the field of wildlife

studies. Vol 1 Chapter

1: Status of Wildlife

Management in India: An

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Chakrabarthy, G R Saha

# Read Free Wildlife Conservation Strategies And Management In India and A K Panigrahi.

This document serves as guidance on managing, restoring and enhancing sagebrush habitat on public lands administered by the Bureau of Land Management (BLM). This guidance only applies until BLM State or local-level guidance is developed, or until specific sage-grouse conservation measures are incorporated into BLM land use plans. In July 2000, the Western Association of Fish and

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Wildlife Agencies (WAFWA) entered into a Memorandum of Understanding (MOU) with the U.S. Forest Service (FS), U.S. Fish and Wildlife Service (FWS) and BLM. This MOU established state wildlife agencies as the lead for state and local conservation planning efforts for sage-grouse. In July 2002, WAFWA approved a proposal to develop a Conservation Assessment (CA) for sage-grouse and sage-grouse habitat to be completed



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in two distinct phases. The strategy presented herein is intended to provide guidelines, subject to revision as new information becomes available, for prioritizing the research, management, and conservation of wildlife and wildlife habitats of the USVI for their intrinsic and instrumental values.

The Role of Corridors and Connectivity in Wildlife Conservation  
Wildlife Ecology and Management in Mexico

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## Contemporary Principles and Practices

### A Scientific Approach

### Wildlife Conservation in a Changing Climate

### Wildlife Habitat Management

In the modern era, zoos and aquariums fight species extinction, educate communities, and advance learning of animal behaviour. This book features first person stories and scientific reviews to explore ground breaking projects run by these institutions. Large-scale conservation initiatives that benefit multiple species are detailed in the first section, including critical habitat protection, evidence-based techniques to grow animal populations and the design of community education projects. The

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second section documents how zoos use science to improve the health and welfare of animals in captivity and make difficult management decisions.

The section on saving species includes personal tales of efforts to preserve wild populations through rehabilitation, captive breeding, reintroduction, and public outreach.

The concluding section details scientific discoveries about animals that would have been impossible without the support of zoos and aquariums. The book is for animal scientists, zoo professionals, educators and researchers worldwide, as well as students of zookeeping and conservation.

Tropical habitats may contain more than a third of the world's plant and animal species; Costa Rica alone is home to one of the highest levels of

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biodiversity per unit area in the world, and stands at center stage in worldwide conservation efforts. Within such regions, the use of state-of-the-art digital mapping technologies—sophisticated techniques that are relatively inexpensive and accessible—represents the future of conservation planning and policy. These methods, which employ satellites to obtain visual data on landscapes, allow environmental scientists to monitor encroachment on indigenous territories, trace park boundaries through unmarked wilderness, and identify wildlife habitats in regions where humans have limited access. Focusing on the rich biodiversity of Costa Rica, the contributors demonstrate the use of geographic information systems (GIS)

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to enhance conservation efforts. They give an overview of the spatial nature of conservation and management and the current status of digital mapping in Costa Rica; a review of the basic principles behind digital mapping technologies; a series of case studies using these technologies at a variety of scales and for a range of conservation and management activities; and the results of the Costa Rican gap analysis project. GIS Methodologies for Developing Conservation Strategies provides powerful tools for those involved in decision-making about the natural environment, particularly in developing nations like Costa Rica where such technologies have not yet been widely adopted. For specialists in such areas as geography, conservation biology, and wildlife and natural resource

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management, the combination of conceptual background and case examples make the book a crucial addition to the literature.

University of Washington Abstract  
Applying Wildlife Conservation  
Tourism to Marine Endangered  
Species: Identifying Indicators for  
Triple Bottom Line Sustainability Kayla  
N. Boyes Chair of the Supervisory  
Committee: Dr. Marc L. Miller School  
of Marine and Environmental Affairs  
As global marine biodiversity rapidly  
decreases, it has become apparent  
that traditional ecological conservation  
practices that discourage human  
interaction with the natural  
environment are alone insufficient for  
long term wildlife and ecosystem  
protection. Tourism and recreation has  
emerged as an underutilized tool that  
can be applied in conjunction with

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existing marine wildlife management strategies. In this thesis, the field of wildlife conservation tourism (WCT) is established as an ecological conservation strategy that promotes and prioritizes endangered species conservation through meaningful interactions with tourists. WCT has great potential to provide critical educational and financial support for marine wildlife conservation while also providing an enriching and inspiring experience for tourists and a viable livelihood for tourism brokers. Framed within the human-artifactual-natural (HANS) system, this thesis identifies triple bottom line indicators that can be used to evaluate the efficacy of WCT enterprises to ensure sustainable marine wildlife management. The goal of this thesis is to utilize interdisciplinary literature to identify

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and extract key indicators to facilitate ecologically, economically, and socially sustainable wildlife conservation tourism for the preservation and recovery of marine endangered species.

Despite the potential synergy that can result from basing management applications on results from research, there is a polarization of cultures between wildlife managers and wildlife researchers. Wildlife Science:

Connecting Research with Management provides strategies for bridging cultural and communication gaps between these groups. Contributors p

Wildlife Science

Applications for Wildlife Conservation and Management

Conservation and Management of Wildlife in Botswana



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A Road Map for Wildlife Management  
and Conservation

An Analysis of Selected Habitat Types  
for Use in Arizona's Comprehensive  
Wildlife Conservation Strategy

An Introduction to Disturbance  
Ecology

***Wildlife Conservation in Africa: A  
Scientific Approach presents  
comprehensive management  
strategies for the consumptive and  
non-consumptive utilization of  
wildlife across Sub-Saharan Africa.  
It describes African economies that  
are currently dependent on wildlife  
resources and prescribes strategies  
for conserving biodiversity in both  
forests and animals in ecosystems  
across the continent. The book  
covers the history and current***

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*status of how Africa's culture, traditions, healthcare and food sources are woven intricately around the local wildlife and resources. It is a necessary resource for researchers and practitioners in wildlife and ecological conservation, but is also useful for administrators and managers of protected areas. Written by the world's leading expert on African wildlife conservation Uses over 45 years of research and knowledge on the topic Provides a detailed categorization of conservation areas across Sub-Saharan Africa Covers both in-situ and ex-situ conservation methods for wildlife*

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***Conservation Biology in Sub-Saharan Africa*** comprehensively explores the challenges and potential solutions to key conservation issues in Sub-Saharan Africa. Easy to read, this lucid and accessible textbook includes fifteen chapters that cover a full range of conservation topics, including threats to biodiversity, environmental laws, and protected areas management, as well as related topics such as sustainability, poverty, and human-wildlife conflict. This rich resource also includes a background discussion of what conservation biology is, a wide range of theoretical approaches to the

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*subject, and concrete examples of conservation practice in specific African contexts. Strategies are outlined to protect biodiversity whilst promoting economic development in the region. Boxes covering specific themes written by scientists who live and work throughout the region are included in each chapter, together with recommended readings and suggested discussion topics. Each chapter also includes an extensive bibliography. Conservation Biology in Sub-Saharan Africa provides the most up-to-date study in the field. It is an essential resource, available on-line without charge, for undergraduate and graduate*

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*students, as well as a handy guide for professionals working to stop the rapid loss of biodiversity in Sub-Saharan Africa and elsewhere. With this book, published more than a half-century ago, Aldo Leopold created the discipline of wildlife management. Although A Sand Country Almanac is doubtless Leopold's most popular book, Game Management may well be his most important. In this book he revolutionized the field of conservation.*

*This book represents an introductory review of disturbance ecology and threat analysis, providing schematic concepts and approaches useful for work on sites*

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*that are affected by the impact of human actions. It is aimed at conservation and environmental practitioners, who will find tips for choosing methods and approaches when there are conflicts between the natural components and human activity. It is also addressed to students of applied ecology, ecosystem management, land-use planning and environmental impact assessment. It discusses a number of topics covered in the programs of many university courses related to basic ecology and ecology of disturbance, the latter constituting a field of great interest because of its implications and repercussions in applied territorial*

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*science. The book is divided into two parts: the first focuses on the theoretical and disciplinary framework of the ecology of disturbance, while the second is devoted to the analysis of anthropogenic threats. This, in particular, discusses the most recent approach, which uses a conventional nomenclature to allow a coarse-grained quantification and objective assessment of threat impact on different environmental components. Such an approach facilitates the comparison of hierarchically different events and, therefore, helps define the priorities for management and conservation*

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*strategies.*

*Conservation Strategies for  
Oregon's Working Landscape  
A Review of the Landscape  
Conservation Cooperatives  
Their Role in Conservation and  
Research*

*Tropical Forest Recovery and  
Wildlife Management in Costa  
Rica*

*Stewardship Incentives  
Introduction to Wildlife  
Management*

*Wildlife Conservation in Africa: A  
Scientific Approach presents  
comprehensive management strategies  
for the consumptive and non-  
consumptive utilization of wildlife  
across Sub-Saharan Africa. It*



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*describes African economies that are currently dependent on wildlife resources and prescribes strategies for conserving biodiversity in both forests and animals in ecosystems across the continent. The book covers the history and current status of how Africa's culture, traditions, healthcare and food sources are woven intricately around the local wildlife and resources. It is a necessary resource for researchers and practitioners in wildlife and ecological conservation, but is also useful for administrators and managers of protected areas. Written by the world's leading expert on African wildlife conservation Uses over 45 years of research and knowledge on the topic Provides a detailed categorization of conservation areas across Sub-*

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*Saharan Africa Covers both in-situ and ex-situ conservation methods for wildlife*

*Human-induced climate change is emerging as one of the gravest threats to biodiversity in history, and while a vast amount of literature on the ecological impact of climate change exists, very little has been dedicated to the management of wildlife populations and communities in the wake of unprecedented habitat changes.*

*Wildlife Conservation in a Changing Climate is an essential resource, bringing together leaders in the fields of climate change ecology, wildlife population dynamics, and environmental policy to examine the impacts of climate change on populations of terrestrial vertebrates.*

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*Chapters assess the details of climate change ecology, including demographic implications for individual populations, evolutionary responses, impacts on movement patterns, alterations of species interactions, and predicting impacts across regions. The contributors also present a number of strategies by which conservationists and wildlife managers can counter or mitigate the impacts of climate change as well as increase the resilience of wildlife populations to such changes. A seminal contribution to the fields of ecology and conservation biology, Wildlife Conservation in a Changing Climate will serve as the spark that ignites a new direction of discussions about and action on the ecology and conservation*

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*of wildlife in a changing climate.*

*International Wildlife Management*

*GIS Methodologies for Developing*

*Conservation Strategies*

*Bureau of Land Management National*

*Sage-Grouse Habitat Conservation*

*Strategy*

*Conservation Physiology*

*Conservation Biology in Sub-Saharan*

*Africa*

*Management of Arizona's Wildlife*

*Habitat*