

Principles Of Conservation Biology

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Guidelines for Action Plans for Animal Species - Antonio Machado Carrillo 1997-01-01

Conservation Biology in Sub-Saharan Africa - Richard Primack 2019-09-10

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 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 students, as well as a handy guide for professionals working to stop the rapid loss of biodiversity in Sub-Saharan Africa and elsewhere.

Principles of Soil Conservation and Management - Humberto Blanco-Canqui 2008-09-16
"Principles of Soil Management

and Conservation" comprehensively reviews the state-of-knowledge on soil erosion and management. It discusses in detail soil conservation topics in relation to soil productivity, environment quality, and agronomic production. It addresses the implications of soil erosion with emphasis on global hotspots and synthesizes available from developed and developing countries. It also critically reviews information on no-till management, organic farming, crop residue management for industrial uses, conservation buffers (e.g., grass buffers, agroforestry systems), and the problem of hypoxia in the Gulf of Mexico and in other regions. This book uniquely addresses the global issues including carbon sequestration, net emissions of CO₂, and erosion as a sink or source of C under different scenarios of soil management. It also deliberates the implications of the projected global warming on soil erosion and vice versa. The concern about global food

security in relation to soil erosion and strategies for confronting the remaining problems in soil management and conservation are specifically addressed. This volume is suitable for both undergraduate and graduate students interested in understanding the principles of soil conservation and management. The book is also useful for practitioners, extension agents, soil conservationists, and policymakers as an important reference material.

The Conservation Handbook

- William J. Sutherland

2008-04-15

Textbooks on the principles of conservation biology abound. Yet, how does one put this theoretical knowledge into practice? The aim of The Conservation Handbook is to provide clear guidance on the implementation of conservation techniques. The wide range of methods described include those for ecological research, monitoring, planning, education, habitat management and combining conservation

with development. Nineteen case studies illustrate how the methods have been applied. The book will be of interest to conservation biology students and practicing conservationists worldwide. For each copy of the book sold, another copy will be sent free to a practicing conservationist outside Western Europe, North America, Australia, New Zealand and Japan. Foreword by E. O. Wilson. Concise, practical guide packed full of ideas, methods and advice. Provides solutions for the main conservation problems most commonly encountered. 18 global case studies illustrate the application of techniques. The Conservation Handbook Donations Project this book is being sent free to those practising conservationists outside Western Europe, North America, Australia, New Zealand and Japan who are otherwise unlikely to obtain a copy. These copies are provided at cost price by Blackwell Science, the publisher, and paid for with the author's royalties. Each book

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sold means another one will be donated.

Introduction to Conservation Genetics -

Richard Frankham 2010

This impressive author team brings the wealth of advances in conservation genetics into the new edition of this introductory text, including new chapters on population genomics and genetic issues in introduced and invasive species. They continue the strong learning features for students - main points in the margin, chapter summaries, vital support with the mathematics, and further reading - and now guide the reader to software and databases. Many new references reflect the expansion of this field. With examples from mammals, birds ...

Multi-Party Litigation -

Wayne V. McIntosh 2009

Sustainable management is a problem for countries that depend on natural resources. Forests contain much of the world's biodiversity and offer significant renewable

resources with a potentially small ecological and carbon footprint. Yet as global demand for forest products increases, conserving biodiversity has become more urgent and challenging.--Forestry and Biodiversity makes the case for adaptive management--a structural approach to learning by doing--to sustain biodiversity in managed forests. It draws on the theory and principles of conservation biology and forest ecology and illustrates them, and the challenges they pose, through a practical, real-world study of a 1.1 million hectare commercial operation in a coastal temperate rainforest.-- "This book is an essential read and reference for all forest stakeholders who are committed to integrated management of forests for sustained economic, environmental, and cultural values. So much written about this subject is theoretical, but this book shares major lessons from a large-scale real-world effort to implement such management and to assess its

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effectiveness."--Jerry Franklin, University of Washington--Fred L. Bunnell is professor emeritus of forestry and conservation biology at the University of British Columbia. Glen B. Dunsworth is a forest ecology and conservation biology consultant.

Conservation Biology Principles for Forested Landscapes - Joan Voller
2011-11-01

This book is intended to provide information to those who wish to interact with the landbase in an ecologically sustainable manner. Practitioners charged with the administration of land-based programs in industry and government will find the information presented useful. It should also be a resource for many community groups involved in land-use decision-making. Humans continue to use forests and make decisions about land use without perfect information. Conservation Biology Principles for Forested Landscapes is intended to enable the improvement of planning and decision-making

processes by providing ecological information on issues of forest use. Current approaches are not working. Where information exists on new, ecologically sustainable approaches, practitioners should switch. Where the information on a better approach is not yet available, practitioners should replace the current, inappropriate approach with a variety of flexible ones that offer the opportunity to change with new knowledge.

An Introduction to Conservation Biology - Anna Sher 2022

"An Introduction to Conservation Biology is well suited for a wide range of undergraduate courses, as both a primary text for conservation biology courses and a supplement for ecological and environmental science courses. This new edition focuses on engaging students through videos and activities, and includes new pedagogy to scaffold students' learning. Coverage of recent conservation biology events in

the news-such as global climate change and sustainable development-keeps the content fresh and current"--

Fundamentals of Conservation Biology - Malcolm L. Hunter, Jr. 2006-10-23

In the new edition of this highly successful book, Malcolm Hunter and new co-author James Gibbs offer a thorough introduction to the fascinating and important field of conservation biology, focusing on what can be done to maintain biodiversity through management of ecosystems and populations. Starting with a succinct look at conservation and biodiversity, this book progresses to contend with some of the subject's most complex topics, such as mass extinctions, ecosystem degradation, and over exploitation. Discusses social, political, and economic aspects of conservation biology. Thoroughly revised with over six hundred new references and web links to many of the organizations involved in conservation biology, striking photographs and maps.

Artwork from the book is available to instructors online at www.blackwellpublishing.com/hunter and by request on CD-ROM.

An Introduction to Primate Conservation - Serge A. Wich 2016-11-03

The number of primates on the brink of extinction continues to grow, and the need to respond with effective conservation measures has never been greater. This book provides a comprehensive and state-of-the-art synthesis of research principles and applied management practices for primate conservation. It begins with a consideration of the biological, intellectual, economic, and ecological importance of primates and a summary of the threats that they face, before going on to consider these threats in more detail with chapters on habitat change, trade, hunting, infectious diseases, and climate change. Potential solutions in the form of management practice are examined in detail, including chapters on

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conservation genetics, protected areas, and translocation. An Introduction to Primate Conservation brings together an international team of specialists with wide-ranging expertise across primate taxa. This is an essential textbook for advanced undergraduates, graduate students, and established researchers in the fields of primate ecology and conservation biology. It will also be a valuable reference for conservation practitioners, land managers, and professional primatologists worldwide.

Problem-Solving in Conservation Biology and Wildlife Management - James P. Gibbs 2011-08-31

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 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 **Essentials of Conservation Biology** - Richard B. Primack 2014

This text combines theory and applied and basic research to explain the connections between conservation biology

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and ecology, climate change biology, the protection of endangered species, protected area management, environmental economics, and sustainable development. A major theme throughout the book is the active role that scientists, local people, the general public, conservation organizations, and governments can play in protecting biodiversity, even while providing for human needs. Each chapter begins with general ideas and principles, which are illustrated with choice examples from the current literature. The most instructive examples are discussed in boxes highlighting projects, species, and issues of particular significance. Chapters end with summaries, an annotated list of suggested readings, and discussion questions. This new edition comes with extensive summary statements in the text margins, as study aids.

Principles of Ecosystem Stewardship - F Stuart Chapin III
2009-06-12

The world is undergoing unprecedented changes in many of the factors that determine its fundamental properties and their influence on society. These changes include climate; the chemical composition of the atmosphere; the demands of a growing human population for food and fiber; and the mobility of organisms, industrial products, cultural perspectives, and information flows. The magnitude and widespread nature of these changes pose serious challenges in managing the ecosystem services on which society depends. Moreover, many of these changes are strongly influenced by human activities, so future patterns of change will continue to be influenced by society's choices and governance. The purpose of this book is to provide a new framework for natural resource management—a framework based on stewardship of ecosystems for human well-being in a world dominated by uncertainty and change. The goal of ecosystem stewardship is to respond to and shape

change in social-ecological systems in order to sustain the supply and opportunities for use of ecosystem services by society. The book links recent advances in the theory of resilience, sustainability, and vulnerability with practical issues of ecosystem management and governance. The book is aimed at advanced undergraduates and beginning graduate students of natural resource management as well as professional managers, community leaders, and policy makers with backgrounds in a wide array of disciplines, including ecology, policy studies, economics, sociology, and anthropology.

National Conservation Training Center Catalog of Training - National Conservation Training Center (U.S. Fish and Wildlife Service)

Fisheries and Aquaculture -

Gustavo Lovrich 2020-07-08

This is the ninth volume of ten in the The Natural History of the Crustacea Series. The chapters in this volume synthesize the diverse topics in

fisheries and aquaculture. In the first part of the book, chapters explore worldwide crustacean fisheries. This section comes to a conclusion with two chapters on harvested crustaceans that are usually not within the focus of the mainstream fisheries research, possibly because they are caught by local fishing communities in small-scale operations and sold locally as subsistence activity. In the second part of the book, the authors explore the variety of cultured crustacean species, like shrimps, prawns, lobsters, and crabs. Chapters in the third part of the volume focus on important challenges and opportunities, including diseases and parasitism, the use of crustacean as bioindicators, and their role in biotechnology.

Principles and Practice of Plant Conservation - D. Given
2012-03-17

It is paradoxical that, despite the key role of plants in the book's preparation by reviewing manuscripts or the environment and our

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dependence on plant life for providing literature and case studies for inclusion. our very existence, the conservation movement has The preparation of the text, which went through various not given plants attention that is commensurate with ous drafts, involved Dr. Given in a great deal of re their importance. In an attempt to redress the balance search and travel for fact finding and consultation. of effort between plant and animal conservation, The completed draft was edited by Martin Walters, IUCN and WWF established in 1984 a joint Plant who also prepared it for publication. Professor Ver Conservation Programme, the aim of which was to non Heywood (IUCN) undertook a scientific edit of "assert the fundamental importance of plants in all the final draft. conservation activities:' Both IUCN and WWF would like to express their gratitude to Dr. Given for the enormous effort and One of the main themes of the joint Plant Conser painstaking labor that he has invested in the prepara tion

Programme was "building the capacity to con serve. " This included a project, "Plant Conservation: tion of this book over a period of six years. The result Principles and Practice," aimed at providing practic is the first detailed overview ever to be published of ing conservationists with a handbook that explained this vitally important subject.

Principles of Conservation Biology - Gary K. Meffe 1994

Life on Earth: A-G - Niles Eldredge 2002

An examination of nature's extraordinary biological diversity and the human activities that threaten it. * 200+ A-Z detailed entries on Earth's ecosystems, major groups of organisms, threats to biodiversity, and academic disciplines related to the study of biodiversity * Contributions from 50 recognized authorities from the fields of anthropology, biology, botany, earth science, ecology, evolution, and more * 150 photographs of key people, animals, and organisms; line drawings; tables, charts, and

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graphs including the major families of birds, the effects of agricultural intensity on biodiversity, and the number of years needed to add each billion to the world's population

* Four major overview essays explaining what biodiversity is, why it is important, how it is threatened, and the Sixth Global Extinction

Applying Ecological Principles to Land Management - Virginia H. Dale 2011-06-27

This volume incorporates case studies that explore past and current land use decisions on both public and private lands, and includes practical approaches and tools for land use decision-making. The most important feature of the book is the linking of ecological theory and principle with applied land use decision-making. The theoretical and empirical are joined through concrete case studies of actual land use decision-making processes.

Conservation Biology - Peggy L. Fiedler 2012-12-06
Reflecting what a new generation of conservation

biologists is doing and thinking, this vital and far ranging second edition explores where conservation biology is heading. It challenges many conventions of conservation biology by exposing certain weaknesses of widely accepted principles. Combining contributions from both the school and the new breed of conservation biologists, this insightful text focuses primarily on topics that are integral to the daily activities of conservation biologists. Several chapters address ecosystem restoration and biotic invasions as well as the mechanics of population viability analyses, which are now a routine facet of conservation efforts. A case history approach is implemented throughout the book, with the use of practical real-world examples. Furthermore, an in-depth look at quantitative analyses is presented, allowing for models and mathematical analyses to pinpoint limitations in existing data and guide research toward those aspects of biology

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that are most likely to be critical to the dynamics of a species or an ecosystem.

Managing and Designing Landscapes for Conservation - David B. Lindenmayer
2007-11-28

The distinctive relationships between landscape change, habitat fragmentation, and biodiversity conservation are highlighted in this original and useful guide to the theory and practice of ecological landscape design. Using original, ecologically based landscape design principles, the text underscores current thinking in landscape management and conservation. It offers a blend of theoretical and practical information that is illustrated with case studies drawn from across the globe. Key insights by some of the world's leading experts in landscape ecology and conservation biology make *Managing and Designing Landscapes for Conservation* an essential volume for anyone involved in landscape management, natural resource planning, or biodiversity

conservation.

Ecosystem Management -

Gary Meffe 2012-08-31
Today's natural resource managers must be able to navigate among the complicated interactions and conflicting interests of diverse stakeholders and decisionmakers. Technical and scientific knowledge, though necessary, are not sufficient. Science is merely one component in a multifaceted world of decision making. And while the demands of resource management have changed greatly, natural resource education and textbooks have not. Until now. *Ecosystem Management* represents a different kind of textbook for a different kind of course. It offers a new and exciting approach that engages students in active problem solving by using detailed landscape scenarios that reflect the complex issues and conflicting interests that face today's resource managers and scientists. Focusing on the application of the sciences of ecology and conservation

biology to real-world concerns, it emphasizes the intricate ecological, socioeconomic, and institutional matrix in which natural resource management functions, and illustrates how to be more effective in that challenging arena. Each chapter is rich with exercises to help facilitate problem-based learning. The main text is supplemented by boxes and figures that provide examples, perspectives, definitions, summaries, and learning tools, along with a variety of essays written by practitioners with on-the-ground experience in applying the principles of ecosystem management. Accompanying the textbook is an instructor's manual that provides a detailed overview of the book and specific guidance on designing a course around it. Ecosystem Management grew out of a training course developed and presented by the authors for the U.S. Fish and Wildlife Service at its National Training Center in Shepherdstown, West Virginia. In 20 offerings to more than 600 natural resource

professionals, the authors learned a great deal about what is needed to function successfully as a professional resource manager. The book offers important insights and a unique perspective derived from that invaluable experience.

Conserving Bird Biodiversity

- Ken Norris 2002-06-06

The earth's biodiversity currently faces an extinction crisis that is unprecedented. Conservationists attempt to intervene in the extinction process either locally by protecting or restoring important species and habitats, or at national and international levels by influencing key policies and promoting debate. Reliable information is the foundation upon which these efforts are based, which places research at the heart of biodiversity conservation. The role of research in such conservation is diverse. It includes understanding why biodiversity is important, defining 'units' of biodiversity, priority-setting for species and sites, managing endangered

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and declining populations, understanding large-scale processes, making predictions about the future and interfacing with training, education, public awareness and policy initiatives. Using examples from a wide range of bird conservation work worldwide, researchers consider the principles underlying these issues, and illustrate how these principles have been applied to address actual conservation problems for students, practitioners and researchers in conservation biology.

Principles and Methods in Landscape Ecology - Almo Farina 2008-01-22

Landscape ecology is an integrative and multi-disciplinary science and Principles and Methods in Landscape Ecology reconciles the geological, botanical, zoological and human perspectives. In particular, new paradigms and theories such as percolation, metapopulation, hierarchies, source-sink models have been integrated in this last edition with the recent

theories on bio-complexity, information and cognitive sciences. Methods for studying landscape ecology are covered including spatial geometry models and remote sensing in order to create confidence toward techniques and approaches that require a high experience and long-time dedication. Principles and Methods in Landscape Ecology is a textbook useful to present the landscape in a multi-vision perspective for undergraduate and graduate students of biology, ecology, geography, forestry, agronomy, landscape architecture and planning. Sociology, economics, history, archaeology, anthropology, ecological psychology are some sciences that can benefit of the holistic vision offered by this textbook.

Applying Landscape Ecology in Biological Conservation - Kevin Gutzwiller 2002-10-04

This book provides a current synthesis of principles and applications in landscape ecology and conservation biology. Bringing together insights from leaders in

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landscape ecology and conservation biology, it explains how principles of landscape ecology can help us understand, manage and maintain biodiversity.

Gutzwiller also identifies gaps in current knowledge and provides research approaches to fill those voids.

Conservation Biology for All

- Navjot S. Sodhi 2010-01-08
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 conservation and human needs, climate change, conservation planning, designing and analyzing conservation research, ecosystem services, endangered species management, extinctions, fire, 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 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.

Wildlife Management and Conservation - Paul R.

Krausman 2013-11

A definitive textbook for

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students of wildlife management. 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 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

Principles of Conservation Biology - Martha J. Groom 2006

Principles of Conservation Biology, Third Edition is a complete revision of the most comprehensive textbook on conservation biology. Written by leading experts in the field, it is intended for use in conservation biology courses at the advanced undergraduate and graduate levels, as well as by researchers and practitioners. It assumes a basic background in biology and ecology. The text introduces the major themes and concepts of the diverse and dynamic field of conservation biology. The biological and social underpinnings of conservation problems and potential solutions are interwoven throughout the text, which is divided into 4 sections: foundations of the field, threats to biodiversity, contexts for conservation, and

practical applications of conservation biology in a real and complex world. Guest essays and case studies provide a diversity of perspectives and real-world examples that add insight and provoke discussion. The Third Edition features a wholly revised organization, emphasising both analyses of different categories of threat and approaches to conservation. Coverage has been expanded to emphasise both terrestrial and marine conservation issues, and efforts in the US and across the globe. The book is richly illustrated, and concludes with an extensive glossary of useful terms and a large bibliography that has proved a valuable reference for students and researchers.

The Endangered Species Act - Brian Czech 2001-03-14

The new model of policy design theory frames the discussion regarding the frequently analyzed Endangered Species Act (ESA) in this historical perspective. Since the 1970s, the Endangered Species Act (ESA), by virtue of its

regulatory impact, has been a frequent subject of policy analysis. In this comprehensive history and critique of the ESA, Brian Czech and Paul R. Krausman incorporate the new model of policy design theory to frame a larger discussion about conservation biology and American democracy. Czech and Krausman provide a historical background of endangered species policy that integrates natural history, socioeconomic trends, political movements, and professional developments. Outlining the controversies surrounding the ESA, they find a connection between challenges to species conservation and challenges to democracy. After an assessment of ESA analyses that have been performed from traditional perspectives, they engage policy design theory to review the structural logic of the ESA, analyzing each clause of the legislation for its application of the fundamental elements of democracy. To address the technical legitimacy of ESA, they propose two new genetic

considerations—functional genome size and molecular clock speed—to supplement phylogenetic distinctiveness as criteria with which to prioritize species for conservation. Next, they systematically describe the socioeconomic context of ESA by assessing and classifying the causes of species endangerment. A hybrid of policy analysis and ecological assessment, *The Endangered Species Act: History, Conservation Biology, and Public Policy* will appeal to scholars and students in the fields of natural resource policy and law, conservation biology, political science, wildlife ecology, and environmental history, and to professionals at agencies involved in wildlife conservation.

Practical Conservation Biology

- David Lindenmayer 2005
Provides the essential framework for under-graduate and post-graduate courses in conservation biology and natural resource management by covering the complete array of topics central to these fields. Lindenmayer from ANU, ACT

and Burgman from University of Melbourne, Vic.

Principles of Conservation Biology - Martha J. Groom
2014-10-01

Completely revised, the 4th edition of this textbook has been expanded to emphasise both terrestrial and marine conservation issues as well as efforts in the US and across the globe.

Conserving Biodiversity - National Research Council
1992-02-01

The loss of the earth's biological diversity is widely recognized as a critical environmental problem. That loss is most severe in developing countries, where the conditions of human existence are most difficult. *Conserving Biodiversity* presents an agenda for research that can provide information to formulate policy and design conservation programs in the Third World. The book includes discussions of research needs in the biological sciences as well as economics and anthropology, areas of critical importance to

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conservation and sustainable development. Although specifically directed toward development agencies, non-governmental organizations, and decisionmakers in developing nations, this volume should be of interest to all who are involved in the conservation of biological diversity.

Conservation Biology - Fred Van Dyke 2008-02-29
Fred Van Dyke's new textbook, *Conservation Biology: Foundations, Concepts, Applications*, 2nd Edition, represents a major new text for anyone interested in conservation. Drawing on his vast experience, Van Dyke's organizational clarity and readable style make this book an invaluable resource for students in conservation around the globe. Presenting key information and well-selected examples, this student-friendly volume carefully integrates the science of conservation biology with its implications for ethics, law, policy and economics.

Towns, Ecology, and the

Land - Richard T. T. Forman
2019-02-07

A pioneering book highlighting the dynamic environmental dimensions of towns and villages and spatial connections with surrounding land.

Invasive Species Management - Mick N. Clout 2009-07-30
Risk assessment, detection, control, legal, instruments, plants, animals.

Extinction in Our Times - James P. Collins 2009-07-07
For over 350 million years, thousands of species of amphibians have lived on earth, but since the 1990s they have been disappearing at an alarming rate, in many cases quite suddenly and mysteriously. What is causing these extinctions? What role do human actions play in them? What do they tell us about the overall state of biodiversity on the planet? In *Extinction in Our Times*, James Collins and Martha Crump explore these pressing questions and many others as they document the first modern extinction event across an entire vertebrate class, using global examples

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that range from the Sierra Nevada of California to the rainforests of Costa Rica and the Mediterranean coast of North Africa. Joining scientific rigor and vivid storytelling, this book is the first to use amphibian decline as a lens through which to see more clearly the larger story of climate change, conservation of biodiversity, and a host of profoundly important ecological, evolutionary, ethical, philosophical, and sociological issues.

Fundamentals of Conservation Biology -

Malcolm L. Hunter, Jr.
2009-03-12

In the new edition of this highly successful book, Malcolm Hunter and new co-author James Gibbs offer a thorough introduction to the fascinating and important field of conservation biology, focusing on what can be done to maintain biodiversity through management of ecosystems and populations. Starting with a succinct look at conservation and biodiversity, this book progresses to contend with

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Thoroughly revised with over six hundred new references and web links to many of the organizations involved in conservation biology, striking photographs and maps.

Artwork from the book is available to instructors online at

www.blackwellpublishing.com/hunter and by request on CD-ROM.

Wetland Ecology - Paul A. Keddy 2010-07-29

This text provides a synthesis of the existing field of wetland ecology using a few central themes, including key environmental factors that produce wetland community types and some unifying problems such as assembly rules, restoration and conservation.

Conservation Biology for the Australian Environment - Mark A. Burgman 1998

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This book aims to provide an introduction to the principles of conservation biology with a focus on the Australian biota, using mostly Australian examples to illustrate key points and to provide information on some of the quantitative methods and analytical procedures important for solving conservation problems.

Key Topics in Conservation

Biology 2 - David W.

Macdonald 2013-02-06

Following the much acclaimed success of the first volume of Key Topics in Conservation Biology, this entirely new second volume addresses an innovative array of key topics in contemporary conservation biology. Written by an internationally renowned team of authors, Key Topics in Conservation Biology 2 adds to the still topical foundations laid in the first volume (published in 2007) by exploring a further 25 cutting-edge issues in modern biodiversity conservation, including controversial subjects such as setting conservation priorities, balancing the focus

on species and ecosystems, and financial mechanisms to value biodiversity and pay for its conservation. Other chapters, setting the framework for conservation, address the sociology and philosophy of peoples' relation with Nature and its impact on health, and such challenging practical issues as wildlife trade and conflict between people and carnivores. As a new development, this second volume of Key Topics includes chapters on major ecosystems, such as forests, islands and both fresh and marine waters, along with case studies of the conservation of major taxa: plants, butterflies, birds and mammals. A further selection of topics consider how to safeguard the future through monitoring, reserve planning, corridors and connectivity, together with approaches to reintroduction and rewilding, along with managing wildlife disease. A final chapter, by the editors, synthesises thinking on the relationship between biodiversity conservation and

human development. Each topic is explored by a team of top international experts, assembled to bring their own cross-cutting knowledge to a penetrating synthesis of the issues from both theoretical and practical perspectives. The interdisciplinary nature of biodiversity conservation is reflected throughout the book. Each essay examines the fundamental principles of the topic, the methodologies involved and, crucially, the human dimension. In this way, Key Topics in Conservation Biology 2, like its sister volume, Key Topics in Conservation Biology, embraces issues from cutting-edge ecological science to policy, environmental economics, governance, ethics, and

the practical issues of implementation. Key Topics in Conservation Biology 2 will, like its sister volume, be a valuable resource in universities and colleges, government departments, and conservation agencies. It is aimed particularly at senior undergraduate and graduate students in conservation biology and wildlife management and wider ecological and environmental subjects, and those taking Masters degrees in any field relevant to conservation and the environment. Conservation practitioners, policy-makers, and the wider general public eager to understand more about important environmental issues will also find this book invaluable.