# Corrosion And Conservation Of Cultural Heritage Metallic Artefacts 14 Reactivity Studies Of Atmospheric Corrosion Of Heritage Iron Artefacts European Federation Of Corrosion Efc Series

*Red Panda Cheetahs* **Phylogeny and Conservation** Amphibian Ecology and Conservation Artificial Intelligence and Conservation *Energy Development and Wildlife Conservation in Western North America Penguins* Large Carnivores and the Conservation of Biodiversity *Planning and Constructing Book and Paper Conservation Laboratories* Conflicts in Conservation **Greater Sage-Grouse** Biology and Conservation of Martens, Sables, and Fishers **Ecology and Conservation of the Sirenia** Serengeti II *Snow Leopards* Ecology and Conservation of Lesser Prairie-Chickens **Conservation of Wildlife** Conservation of Exploited Species **The Biology and Conservation of Wild Felids** *Conservation of Wildlife* Biodiversity and Conservation of the Yucatán Peninsula *Helmholtz and the Conservation of Energy* **Conservation of Wildlife Populations The Practical Guide to Book Repair and Conservation Cheetahs: Biology and Conservation** *H.R. 3558, the Species Protection and Conservation of the Environment Act* Seasonally Dry Tropical Forests **Science and Conservation of Vernal Pools in Northeastern North America Free-Ranging Dogs and Wildlife Conservation** Ecology and Conservation of Butterflies **Ecology and Conservation of Lynx in the United States** Ecology and Conservation of Mountaintop grasslands in Brazil The North American Model of Wildlife Conservation **Habitat Management for Conservation The Tiger and the Pangolin** *The outstanding universal value and conservation of Hubei Shennongjia* **Quantitative Conservation of Vertebrates Butterfly Conservation in North America Conservation in Africa Tigers of the World**

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*Snow Leopards* Aug 20 2021 Snow Leopards: Biodiversity of the World: Conservation from Genes to Landscapes is the only comprehensive work on the biology, behavior, and conservation status of the snow leopard, a species that has long been one of the least studied, and hence poorly understood, of the large cats. Breakthroughs in technologies and methodologies to study this elusive cat have come rapidly, including non-invasive genetics, camera traps, and GPS-satellite collaring. The book begins with chapters on the genetic standing and taxonomy of the snow leopard, followed by chapters on their behavior and ecology. Additional contributions follow on the current and emerging threats to the species, which include longstanding concerns, such as poaching and conflicts with livestock, and new and emerging threats such as mining and climate change. A section on conservation solutions, backed by valuable case studies, starts with an overview of the important role mountain communities play in assuring the snow leopard's long-term persistence. In addition, chapters on the role of captive snow leopards for the conservation of the species, state-of-the-art techniques and technologies for studying and monitoring snow leopards, status reports from around the region, and future perspectives, such as transboundary conservation initiatives, international conventions (CITES, CMS, etc.), the role of the IUCN Cat Specialist Group and the Snow Leopard Network, and undertakings such as the Global Snow Leopard Forum facilitated by the World Bank are also included. Serves as the first and only comprehensive book on the biology, behavior, and conservation status of the snow leopard Brings together the most current scientific knowledge, documents the most pressing conservation issues, and shares success stories in alleviating the broad threats that now jeopardize the long-term survival of this species Brings current knowledge of the species, not only to researchers and conservationists, but also to decision makers, academics, and students Edited by recognized snow leopard experts, with more than 50 years of collective experience in research and conservation of the species

*Planning and Constructing Book and Paper Conservation Laboratories* Feb 23 2022

**Conservation in Africa** Jul 27 2019 This book provides a new inter-disciplinary look at the practice and policies of conservation in Africa. Bringing together social scientists, anthropologists and historians with biologists for the first time, the book sheds some light on the previously neglected but critically important social aspects of conservation thinking. To date conservation has been very much the domain of the biologist, but the current ecological crisis in Africa and the failure of orthodox conservation policies demand a radical new appraisal of conventional practices. This new approach to conservation, the book argues, cannot deal simply with the survival of species and habitats, for the future of African wildlife is intimately tied to the future of African rural communities. Conservation must form an integral part of future policies for human development. The book emphasises this urgent need for a complementary rather than a competitive approach. It covers a wide range of topics important to this new approach, from wildlife management to soil conservation and from the Cape in the nineteenth century to Ethiopia in the 1980s. It is essential reading for all those concerned about people and conservation in Africa.

*Penguins* Apr 27 2022 Penguins, among the most delightful creatures in the world, are also among the most vulnerable. The fragile status of most penguin populations today mirrors the troubled condition of the southern oceans, as well as larger marine conservation problems: climate change, pollution, and fisheries mismanagement. This timely book presents the most current knowledge on each of the eighteen penguin species-from the majestic emperor penguins of the Antarctic to the tiny blue penguins of New Zealand and Australia, from the northern rockhopper penguins of the South Atlantic and Indian Oceans to the Galapagos penguins of the equator-written by the leading experts in the field. Included for each species: o Life history o Distribution, population sizes and trends o International Union for the Conservation of Nature (IUCN) status o Threats to survival o Legal protection The book also provides information on current conservation efforts, outlines the most important actions to be taken to increase each population's resilience, and recommends further research needed to protect penguins and the living creatures that share their environment. Beautifully illustrated with full-color photographs of each species in their natural habitat and detailed charts and graphs, Penguins will be an invaluable tool for researchers, conservation groups, and policy makers. It will also enchant anyone interested in the lives or the plight of these fascinating animals. Watch the trailer: http://www.youtube.com/watch?v=0s0BbIU6cqE&feature=plcp

**Phylogeny and Conservation** Sep 01 2022 Phylogeny is a potentially powerful tool for conserving biodiversity. This book explores how it can be used to tackle questions of great practical importance and urgency for conservation. Using case studies from many different taxa and regions of the world, the volume evaluates how useful phylogeny is in understanding the processes that have generated today's diversity and the processes that now threaten it. The urgency with which conservation decisions have to be made as well as the need for the best possible decisions make this volume of great value to researchers, practitioners and policy-makers.

Large Carnivores and the Conservation of Biodiversity Mar 27 2022 Large Carnivores and the Conservation of Biodiversity brings together more than thirty leading scientists and conservation practitioners to consider a key question in environmental conservation: Is the conservation of large carnivores in ecosystems that evolved with their presence equivalent to the conservation of biological diversity within those systems? Building their discussions from empirical, long-term data sets, contributors including James A. Estes, David S. Maehr, Tim McClanahan, AndrFs J. Novaro, John Terborgh, and Rosie Woodroffe explore a variety of issues surrounding the link between predation and biodiversity: What is the evidence for or against the link? Is it stronger in marine systems? What are the implications for conservation strategies? Large Carnivores and the Conservation of Biodiversity is the first detailed, broad-scale examination of the empirical evidence regarding the role of large carnivores in biodiversity conservation in both marine and terrestrial ecosystems. It contributes to a much more precise and global understanding of when, where, and whether protecting and restoring top predators will directly contribute to the conservation of biodiversity. Everyone concerned with ecology, biodiversity, or large carnivores will find this volume a unique and thought-provoking analysis and synthesis.

Ecology and Conservation of Mountaintop grasslands in Brazil Mar 03 2020 This book is a pioneer attempt to bring forward the first synthesis on the most diverse and threatened mountain top vegetation of South America, the rupestrian grasslands. It brings to light the state of the art information on this ecosystem geology, soil formation and distribution, environmental filters that lead to biodiversity, species interactions and their fine tuned adaptations to survive the harsh mountain environment. The human dimensions of the rupestrian grassland are also addressed, including the anthropogenic threats that may irreversibly impact biodiversity and ecosystem services. The book also highlights the ongoing studies on ecological restoration and first attempt to model the impacts of climate change on its speciose biota.

**The Tiger and the Pangolin** Nov 30 2019 This work examines historical perceptions of nature in China and the relationship between insider and outsider, state and village, top-down conservation policy and community autonomy.

**Ecology and Conservation of Lynx in the United States** Apr 03 2020 Once found throughout the Rocky Mountains and forests of the northern states, the lynx now hides in pockets of its former range while feeding mostly on small animals like snowshoe hares. A team of government and university scientists review the newest scientific knowledge of this unique cat's history, distribution, and ecology. The chapters on this web site provide information for current scientific and public debates regarding the fate of the lynx in the United States. Chapters look at the relationships among lynx, its habitat, and its prey. The attributes of northern versus southern lynx populations are compared and contrasted. The authors caution against making decisions without enough knowledge and show where we lack information. While the authors present the latest preliminary research results on lynx and offer some qualified insights into lynx management, the book's intent is to assess the current state of knowledge regarding lynx.

*Conservation of Wildlife* Mar 15 2021

*Red Panda* Nov 03 2022 Red Panda: Biology and Conservation of the First Panda, Second Edition, provides the most up-to-date research, data, and conservation solutions for the red pandas, Ailurus species. Since the publication of the previous edition in 2010, the International Union for Conservation of Nature (IUCN) updated the threat level of red pandas, and they are now considered to be endangered. This latest edition is updated to provide an in-depth look at the scientific and conservation-based issues urgently facing the red panda today. Led by one of the world's leading authorities and advocates for red panda conservation, this new edition includes data from the Population and Habitat Viability (PHVA) workshops conducted in three of the species' range states, Nepal, China, and India; these workshops utilized firsthand information on the decrease of red panda populations due to factors including deforestation, illegal pet trade, human population growth, and climate change. This book also includes updated information from the first edition on reproduction, anatomy, veterinary care, zoo management, and fossil history. Key features Discusses the evidence for two species of red panda and how this might impact conservation efforts Reports on status in the wild, looks at conservation issues and considers the future of these unique species Written by long-standing red panda experts as well as experts in other fields contributing to cutting-edge red panda research Includes new chapters on topics including the impact of climate change, how bamboo influences distribution, and conservation in Bhutan and Myanmar Red Panda: Biology and Conservation of the First Panda, Second Edition, is a vital resource for conservationists, zoologists, and biologists, whether focused specifically on red pandas or on species conservation more generally.

The North American Model of Wildlife Conservation Jan 31 2020 Organ, James Peek, William Porter, John Sandlos, James A. Schaefer

**Free-Ranging Dogs and Wildlife Conservation** Jun 05 2020 This edited volume adopts a global perspective to review how dogs interact with wildlife, how humans perceive these interactions, the potential importance of dog-wildlife interactions, and the scope of the problems.

*Cheetahs* Oct 02 2022 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 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 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 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 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

Ecology and Conservation of Lesser Prairie-Chickens Jul 19 2021 Shortlisted for the 2018 TWS Wildlife Publication Awards in the edited book category Lesser Prairie-Chickens have experienced substantial declines in terms of population and the extent of area that they occupy. While they are an elusive species, making it difficult at times to monitor them, current evidence indicates that they have been persistently decreasing in number since the Dust Bowl of the 1930s dramatically affected their core range. In May of 2014, the United States Fish and Wildlife Service listed Lesser Prairie-Chickens as a threatened species, granting them federal protection under the Endangered Species Act, which included a special rule recognizing significant conservation planning efforts made by state and federal wildlife agencies within the geographical range of the species. Although the listing was vacated by judicial ruling in September 2015, concern for persistence of the species persists. These actions illustrate the uncertain legal status and future conservation challenges for Lesser Prairie-Chickens. Ecology and Conservation of Lesser Prairie-Chickens provides a compendium of data, analytical results, and synthesis generated among expert wildlife biologists, conservation biologists, and ornithologists. It thoroughly reviews the life history, genetics, and ecology of the species, and is ultimately directed toward developing and establishing appropriate conservation management strategies. It presents a detailed analysis of the issues and risks relative to conservation as well as an overview of potential conservation tools. It also addresses the challenges that natural resource managers continue to face in their current conservation efforts. While dealing with immediate and short-term issues in Lesser Prairie-Chicken conservation, this book is also a useful starting point for guiding future research, management, and conservation of the species. Published in collaboration with and on behalf of The American Ornithological Society, this volume in the highly-regarded Studies in Avian Biology series provides a definitive reference for researchers, managers, and policy makers as well as those with interests in environmental science, avian biology, game bird management, or Great Plains ecology.
Seasonally Dry Tropical Forests Aug 08 2020 Seasonally Dry Tropical Forests brings together a range of experts in diverse fields including biology, ecology, biogeography, and biogeochemistry, to review, synthesize, and explain the current state of our collective knowledge on the ecology and conservation of this endangered ecosystem. The book offers a synthetic and cross-disciplinary review of recent work with an expansive scope, including sections on distribution, diversity, ecosystem function, and human impacts. Throughout, contributors emphasize conservation issues, particularly emerging threats and promising solutions, with key chapters on climate change, fragmentation, restoration, ecosystem services, and sustainable use. Seasonally dry tropical forests represent scientific terrain that is poorly explored, and there is an urgent need for increased understanding. This book represents an important step in bringing together the most current scientific information about this vital ecosystem.
**The Practical Guide to Book Repair and Conservation** Nov 10 2020 Teaches book repair and cleaning techniques, and discusses chemical treatments and archive preservation
Biodiversity and Conservation of the Yucatán Peninsula Feb 11 2021 This book provides information relevant for the conservation of biodiversity and the sound management of the coastal and forest ecosystems of the Yucatan Peninsula in the face of global change. Various aspects of the biodiversity of the Yucatan Peninsula are analyzed in an integrative manner, including phenological, ecophysiological, ecological and conservation aspects of plants and animals and their relationships with humans in coastal and forest ecosystems.
Conservation of Exploited Species May 17 2021 This book brings together international experts to examine interactions between the biology of wildlife and the divergent goals of people involved in hunting, fishing, gathering, and culling wildlife. Reviews of theory show how sustainable exploitation is tied to the study of population dynamics, with direct links to reproductive rates, life histories, behavior, and ecology. As such theory is rarely put into practice to achieve sustainable use and effective conservation, Conservation of Exploited Species explores the many reasons for this failure and considers remedies to tackle them.
Artificial Intelligence and Conservation Jun 29 2022 With the increasing public interest in artificial intelligence (AI), there is also increasing interest in learning about the benefits that AI can deliver to society. This book focuses on research advances in AI that benefit the conservation of wildlife, forests, coral reefs, rivers, and other natural resources. It presents how the joint efforts of researchers in computer science, ecology, economics, and psychology help address the goals of the United Nations' 2030 Agenda for Sustainable Development. Written at a level accessible to conservation professionals and AI researchers, the book offers both an overview of the field and an in-depth view of how AI is being used to understand patterns in wildlife poaching and enhance patrol efforts in response, covering research advances, field tests and real-world deployments. The book also features efforts in other major conservation directions, including protecting natural resources, ecosystem monitoring, and bio-invasion management through the use of game theory, machine learning, and optimization.
**Habitat Management for Conservation** Jan 01 2020 This practical handbook describes the principles and techniques of managing and creating habitats worldwide including grasslands, forests, scrub, freshwater wetlands, 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.
**Butterfly Conservation in North America** Aug 27 2019 The book addresses this critical need by providing a straightforward and easy to read primer to key elements of at-risk butterfly conservation programs including captive husbandry, organism reintroduction, habitat restoration, population monitoring, recovery planning and cooperative programs. Impacts from habitat loss and fragmentation, invasive species, and climate change continue to accelerate the rate of imperilment and necessitate increased conservation action. Zoos, natural history museums, botanical gardens and wildlife agencies are progressively focusing on insects, particularly charismatic groups such as butterflies and native pollinators, to help advance local conservation efforts and foster increased community interest and engagement. Today, many institutions and their partners have successfully initiated at-risk butterfly conservation programs, and numerous others are exploring ways to become involved. However, insufficient experience and familiarity with insects is a critical constraint preventing staff and institutions from adequately planning, implementing and evaluating organism-targeted activities. The information provided is intended to improve staff practices, learn from existing programs, promote broader information exchange, and strengthen institutional ability to develop new or improve existing butterfly conservation initiatives. The information provided is intended to improve staff practices, learn from existing programs, promote broader information exchange, and strengthen institutional ability to develop new or improve existing butterfly conservation initiatives. This book will be useful to professionals from zoos, natural history museums, botanical gardens, wildlife agencies, conservation organizations, land managers, students, and scientist in conservation biology, ecology, entomology, biology, and zoology.
**Quantitative Conservation of Vertebrates** Sep 28 2019 This book provides a hands-on introduction to the construction and application of models to studies of vertebrate distribution, abundance, and habitat. The book is aimed at field biologists, conservation planners, and advanced undergraduate and postgraduate students who are involved with planning and analyzing conservation studies, and applying the results to conservation decisions. The book also acts as a bridge to more advanced and mathematically challenging coverage in the wider literature. Part I provides a basic background in population and community modeling. It introduces statistical models, and familiarizes the reader with important concepts in the design of monitoring and research programs. These programs provide the essential data that guide conservation decision making. Part II covers the principal methods used to estimate abundance, occupancy, demographic parameters, and community parameters, including occupancy sampling, sample counts, distance sampling, and capture-mark-recapture (for both closed and open populations). Emphasis is placed on practical aspects of designing and implementing field studies, and the proper analysis of data. Part III introduces structured decision making and adaptive management, in which predictive models are used to inform conservation decision makers on appropriate decisions in the face of uncertainty—with the goal of reducing uncertainty through monitoring and research. A detailed case study is used to illustrate each of these themes. Numerous worked examples and accompanying electronic material (on a website - http://www.blackwellpublishing.com/conroy - and accompanying CD) provide the details of model construction and application, and data analysis.
**Ecology and Conservation of the Sirenia** Oct 22 2021 Dugongs and manatees, the only fully aquatic herbivorous mammals, live in the coastal waters, rivers and lakes of more than 80 subtropical and tropical countries. Symbols of fierce conservation battles, sirenian populations are threatened by multiple global problems. Providing comparative information on all four surviving species, this book synthesises the ecological and related knowledge pertinent to understanding the biology and conservation of the sirenia. It presents detailed scientific summaries, covering sirenian feeding biology; reproduction and population dynamics; behavioural ecology; habitat requirements and threats to their continued existence. Outlining the current conservation status of the sirenian taxa, this unique study will equip researchers and professionals with the scientific knowledge required to develop proactive, precautionary and achievable strategies to conserve dugongs and manatees. Supplementary material is available online at: www.cambridge.org/9780521888288.
Amphibian Ecology and Conservation Jul 31 2022 Describes the latest methodologies used to study the ecology of amphibians throughout the world. Each of the 27 chapters explains a research approach or technique, with emphasis on careful planning and the potential biases of techniques. Statistical modelling, landscape ecology, and disease are covered for the first time in a techniques handbook.
**Greater Sage-Grouse** Dec 24 2021 "Here's everything one needs to know about sage-grouse, but it's much more than that. From the probing analyses of sage-grouse biology, one gains a broader understanding the ecology and conservation imperatives of sagebrush habitats throughout the West."—John A. Wiens, Chief Conservation Science Officer, PRBO Conservation Science "The threats facing Sage-grouse and the sagebrush habitats of the West are as vast as the landscape itself. Anyone’s foray into confronting this monumental conservation challenge should begin in the pages of this book.”-Ben Deeble, Sagebrush-Steppe Project Leader
Conflicts in Conservation Jan 25 2022 An insightful guide to understanding conflicts over the conservation of biodiversity and groundbreaking strategies to deal with them.
Biology and Conservation of Martens, Sables, and Fishers Nov 22 2021 Mammals in the genus Martes are mid-sized carnivores of great importance to forest ecosystems. This book, the successor to Martens, Sables, and Fishers: Biology and Conservation, provides a scientific basis for management and conservation efforts designed to maintain or enhance the populations and habitats of Martes species throughout the world. The twenty synthesis chapters contained in this book bring together the perspectives and expertise of 63 scientists from twelve countries, and are organized by the five key themes of evolution and biogeography, population biology and management, habitat ecology and management, research techniques, and conservation. Recent developments in research technologies such as modeling and genetics, biological knowledge about pathogens and parasites, and concerns about the potential effects of global warming on the distribution and status of Martes populations make new syntheses of these areas especially timely. The volume provides an overview of what is known while clarifying initiatives for future research and conservation priorities, and will be of interest to mammalogists, resource managers, applied ecologists, and conservation biologists.
**Conservation of Wildlife** Jun 17 2021
*The outstanding universal value and conservation of Hubei Shennongjia* Oct 29 2019 This book owes a great deal to the outstanding universal value of the natural heritage of Hubei Shennongjia, which offers an outstanding example of the ongoing ecological processes occurring in the development of intact subtropical mixed broad-leaved evergreen and deciduous forests in the northern hemisphere. The book demonstrates the value from the typical example of mountain altitudinal biological zones in the Oriental Deciduous Forest Biogeographical Province, and the vital origin location for global temperate flora, harboring the highest concentration of global temperate genera. Moreover, the heritage value in exceptional biodiversity and key habitat for numerous relic, rare, endangered, endemic, and type specimen species are presented. The richness of deciduous woody species in Shennongjia is the highest in the world.
**Tigers of the World** Jun 25 2019 The second edition explores tiger biology, ecology, conservation, management, and the science and technology that make this possible. It offers a critical look at current policies and contains suggestions from authors living and working in these locations.
Ecology and Conservation of Butterflies May 05 2020 This book was conceived to mark the Silver Jubilee of the British Butterfly Conservation Society. Interest in the conservation of butterflies has increased so rapidly that it is difficult to relate to the situation 25 years ago. Butterflies were on the decline in Britain, Europe and elsewhere but we lacked data on the extent of the decline and the underlying reasons, leaving us unable to implement effective conservation measures. An early recognition of the plight of British butterflies and moths led to the foundation of the society by a small group of conservationists in 1968. Today the society has over 10000 members, owns a number of reserves and sponsors research, conservation and monitoring activities at the local and national level. As part of the Silver Jubilee celebrations an international symposium was held at Keele University in September 1993 entitled 'Ecology and Conservation of Butterflies'. This symposium clearly showed how much important work has been done in recent years and also gave me the impression that the subject had reached a watershed. This was not because the decline of butterflies has stopped or even slowed down, far from it, the threat to our butterflies continues to increase from habitat destruction and intensification of land use. The watershed is in our understanding of the relationship between butterflies and their habitat.
**Cheetahs: Biology and Conservation** Oct 10 2020 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 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 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 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 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
*H.R. 3558, the Species Protection and Conservation of the Environment Act* Sep 08 2020
**Conservation of Wildlife Populations** Dec 12 2020 Professor L. Scott Mills has been named a 2009 Guggenheim Fellowby the board of trustees of the John Simon Guggenheim MemorialFoundation. Conservation of Wildlife Populations provides anaccessible introduction to the most relevant concepts andprinciples for solving real-world management problems in wildlifeand conservation biology. Bringing together insights fromtraditionally disparate disciplines, the book shows how populationbiology addresses important questions involving the harvest,monitoring, and conservation of wildlife populations. Covers the most up-to-date approaches for assessing factorsthat affect both population growth and interactions with otherspecies, including predation, genetic changes, harvest, introducedspecies, viability analysis and habitat loss andfragmentation. Is an essential guide for undergraduates and postgraduatestudents of wildlife biology, conservation biology, ecology, andenvironmental studies and an invaluable resource for practisingmanagers on how population biology can be applied to wildlifeconservation and management. Artwork from the book is available to instructors online at ahref="http://www.blackwellpublishing.com/mills"www.blackwellpublishing.com/mills/a.An Instructor manual CD-ROM for this title is available. Pleasecontact our Higher Education team at

ahref="mailto:HigherEducation@wiley.com"HigherEducation@wiley.com/afor more information.

**Science and Conservation of Vernal Pools in Northeastern North America** Jul 07 2020 Synthesizes Decades of Research on Vernal Pools Science Pulling together information from a broad array of sources, Science and Conservation of Vernal Pools in Northeastern North America is a guide to the issues and solutions surrounding seasonal pools. Drawing on 15 years of experience, the editors have mined published literature, personal communication from professionals working in the field, unpublished reports and data, and other sources to present the latest information and practical application of this knowledge. They synthesize decades of research on vernal pools and pool-dependent biota as a foundation for presenting the necessary tools for conserving these ecosystems. The book introduces vernal pools as a keystone ecosystem in northeastern forests of North America. This landscape approach is the common current flowing throughout the chapters. Section I reviews the physical parameters that demonstrate how vernal pools function differently from other wetland systems and where they are found in the landscape. Section II provides an overview of the diversity and natural history of their unique biota, focusing on plants, invertebrates, amphibians, and other pool-associated vertebrates. Finally, Section III synthesizes the best-available science from peer-reviewed and unpublished sources relevant to conserving vernal pools in human-dominated landscapes. The book also highlights the significant role that educators and citizens have in effecting local conservation, and in ensuring a permanent place on the landscape for seasonal wetlands. An impressive cadre of scientists contribute knowledge and expertise on how to conserve vernal pools, its species, and its flora and fauna. Acknowledging the physical and biological connections between upland and aquatic systems, the authors provide a landscape-scale approach to conservation that is equally applicable to all isolated wetlands.

**The Biology and Conservation of Wild Felids** Apr 15 2021 implications that go far beyond the cat family. --

*Helmholtz and the Conservation of Energy* Jan 13 2021 An examination of the sources Helmholtz drew upon for his formulation of the conservation of energy and the impact of his work on nineteenth-century physics. In 1847, Herman Helmholtz, arguably the most important German physicist of the nineteenth century, published his formulation of what became known as the conservation of energy--unarguably the most important single development in physics of that century, transforming what had been a conglomeration of separate topics into a coherent field unified by the concept of energy. In Helmholtz and the Conservation of Energy, Kenneth Caneva offers a detailed account of Helmholtz's work on the subject, the sources that he drew upon, the varying responses to his work from scientists of the era, and the impact on physics as a discipline. Caneva describes the set of abiding concerns that prompted Helmholtz's work, including his rejection of the idea of a work-performing vital force, and investigates Helmholtz's relationship to both an older generation of physicists and an emerging community of reformist physiologists. He analyzes Helmholtz's indebtedness to Johannes Müller and Justus Liebig and discusses Helmholtz's tense and ambivalent relationship to the work of Robert Mayer, who had earlier proposed the uncreatability, indestructibility, and transformability of "force." Caneva examines Helmholtz's continued engagement with the subject, his role in the acceptance of the conservation of energy as the central principle of physics, and the eventual incorporation of the principle in textbooks as established science.

Serengeti II Sep 20 2021 Serengeti II: Dynamics, Management, and Conservation of an Ecosystem brings together twenty years of research by leading scientists to provide the most most thorough understanding to date of the spectacular Serengeti-Mara ecosystem in East Africa, home to one of the largest and most diverse populations of animals in the world. Building on the groundwork laid by the classic Serengeti: Dynamics of an Ecosystem, published in 1979 by the University of Chicago Press, this new book integrates studies of the ecosystem at every level—from the plants at the bottom of the visible food chain, to the many species of herbivores and predators, to the system as a whole. Drawing on new data from many long-term studies and from more recent research initiatives, and applying new theory and computer technology, the contributors examine the large-scale processes that have produced the Serengeti's extraordinary biological diversity, as well as the interactions among species and between plants and animals and their environment. They also introduce computer modeling as a tool for exploring these interactions, employing this new technology to test and anticipate the effects of social, political, and economic changes on the entire ecosystem and on particular species, and so to shape future conservation and management strategies.

*Energy Development and Wildlife Conservation in Western North America* May 29 2022 Energy Development and Wildlife Conservation in Western North America offers a road map for securing our energy future while safeguarding our heritage. Contributors show how science can help craft solutions to conflicts between wildlife and energy development by delineating core areas, identifying landscapes that support viable populations, and forecasting future development scenarios to aid in conservation design. The book frames the issue and introduces readers to major types of extraction quantifies the pace and extent of current and future energy development provides an ecological foundation for understanding cumulative impacts on wildlife species synthesizes information on the biological response of wildlife to development discusses energy infrastructure as a conduit for the spread of invasive species compares impacts of alternative energy to those of conventional development The final section calls for a shift away from site-level management that has failed to mitigate cumulative impacts on wildlife populations toward broad-scale planning and implementation of conservation in priority landscapes. The book concludes by identifying ways that decision makers can remove roadblocks to conservation, and provides a blueprint for implementing conservation plans. Energy Development and Wildlife Conservation in Western North America is a must-have volume for elected officials, industry representatives, natural resource managers, conservation groups, and the public seeking to promote energy independence while at the same time protecting wildlife.