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Ecological Restoration and Management of Longleaf Pine Forests - L. Katherine Kirkman 2017-09-27

Ecological Restoration and Management of Longleaf Pine Forests is a timely synthesis of the current understanding of the natural dynamics and processes in longleaf pine ecosystems. This book beautifully illustrates how incorporation of basic ecosystem knowledge and an understanding of socioeconomic realities shed new light on established paradigms and their application for restoration and management. Unique for its holistic ecological focus, rather than a more traditional silvicultural approach, the book highlights the importance of multi-faceted actions that robustly integrate forest and wildlife conservation at landscape scales, and merge ecological with socioeconomic objectives for effective conservation of the longleaf pine ecosystem.

Proceedings, U.S. Department of Agriculture Interagency Gypsy Moth Research Forum, 1992 - Kurt William Gottschalk 1992

Plant community ecology: Papers in honor of Robert H. Whittaker - R.K. Peet 2012-12-06

R. K. Peet Dep. of Botany, University of North Carolina, Chapel Hill, N. C. 27514, USA Robert Whittaker's contributions to ecology were many and remarkably varied. His publication record will long stand as a monument to his greatness, and whatever we do to honor him will likely be rather small in comparison. Less well known were his personal interactions and the impact they had on the development of ecology as well as individual scientists. Over the years he touched many of us and we felt not just a professional but also a deep personal loss in his passing. After his death I was contacted by numerous colleagues who wondered what they might do to honor him. Whittaker had long served on the editorial board of *Vegetatio*, which prompted Eddy van der Maarel to suggest that a series of papers in the journal might be a fitting memorial, and so this project was conceived. Whittaker was a master of synthesis and during his career he published numerous review papers which showed clearly how his work related to and built on that of others. For this reason it seemed inappropriate and redundant to solicit papers reviewing areas to which Whittaker made important contributions. Instead, I chose to solicit research papers illustrating current applications of approaches Whittaker developed and showing a few of the recent advances which have grown directly from his pioneering work.

General Technical Report PSW. - 1990

Soil Survey of Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico - Leroy W. Hacker 1977

Environmental Effects of Conservation Practices on Grazing Lands - 2006

Fishes in the Forested Flood Plain of the Ochlockonee River, Florida, *During Flood and Drought Conditions* - Helen M. Leitman 1991

Plant Morphogenesis as the Basis for Scientific Management of Range Resources - United States/Australia Rangeland Panel. Workshop 1974

Proceedings of the Symposium on Oak Woodlands and Hardwood Rangeland Management, October 31-November 2, 1990, Davis, California - 1991

Classification of Riparian Communities on the Big Horn National Forest - Michele Marie Girard 1997

Surveying Mired Murrelets at Inland Forested Sites - 1990

Sugar Maple - Helmuth M. Steinhilb 1976

Forest Fire - Bhupender Gupta 2022-07-07

The book on 'Forest Fire: Characteristics and Management' embodies seven chapters providing an updated comprehensive information on history, causes & types, characteristics & behaviour, effects of fire on ecosystem dynamics i.e., plant, community, ecosystem, wildlife and soils, damaging & beneficial effects, prediction & management and, prevention & control of forest fires. In each chapter the readers will find complete information aptly backed by authentic data, examples and illustrations. Chapter eight is dedicated to bibliography. This book will be useful to students and researchers as a part of their curriculum and for forest managers/officials and planners as an important guide for managing forest fires.

Proceedings - National Wilderness Research Conference - 1986

Miscellaneous Publication - 1974

Biological Evaluation of Environmental Impacts - 1980

Wetland Indicators - Ralph W. Tiner 2016-12-19

Understand the current concept of wetland and methods for identifying, describing, classifying, and delineating wetlands in the United States with Wetland Indicators - capturing the current state of science's role in wetland recognition and mapping. Environmental scientists and others involved with wetland regulations can strengthen their knowledge about wetlands, and the use of various indicators, to support their decisions on difficult wetland determinations. Professor Tiner primarily focuses on plants, soils, and other signs of wetland hydrology in the soil, or on the surface of wetlands in his discussion of Wetland Indicators. Practicing - and aspiring - wetland delineators alike will appreciate Wetland Indicators' critical insight into the development and significance of hydrophytic vegetation, hydric soils, and other factors. Features Color images throughout illustrate wetland indicators. Incorporates analysis and coverage of the latest Army Corps of Engineers delineation manual. Provides over 60 tables, including extensive tables of U.S. wetland plant communities and examples for determining hydrophytic vegetation.

Pine Barrens Richard Forman 2012-12-02

Pine Barrens: Ecosystem and Landscape focuses on the relationship between the ecological and landscape aspects of Pine Barrens of New Jersey. The idea in this book is based from the discussions of Rutgers University botanists and ecologists at the 1975 American Institute of Biological Science meetings, and from the interest generated by the 1976 annual New Jersey Academy of Science meeting, which focuses on the Pine Barrens. This seven-part book starts with a short discussion on location and boundaries of the New Jersey Pine Barrens. Part I covers human activities, from Indian activities and initial European perceptions of the land, including settlement, lumbering, fuel wood and charcoal, and glassworks, farming and livestock, and real estate development. The next part of the book describes sandy deposits, geographic distribution of geologic formations, and soil types with their ecologically important characteristics. Topics on hydrology, aquatic ecosystems, and climatic and microclimatic conditions are presented in the third part of this reference. Part IV traces the history of vegetation starting before the Ice Age and analyzes vegetation using different approaches, such as community types, community classification according to a European method, and gradient analysis. Plants of the Pine Barrens are briefly described and listed in Part V. The final part illustrates community relationships of mammals, birds, reptiles, amphibians, fish, arthropods, and soil microcommunities. The book is ideal for ecologists, botanists, geologists, soil scientists, zoologists, hydrologists, limnologists, engineers, and scientists, as well as planners, decision-makers, and managers who may largely determine the future of a region.

Nez Perce National Forest (N.F.), American and Crooked River Project -

The Longleaf Pine Ecosystem - Shibu Jose 2007-09-09

This book unites a wealth of current information on the ecology, silviculture and restoration of the Longleaf Pine ecosystem. The book includes a discussion of the significant historical, social and political aspects of ecosystem management, making it a valuable resource for students, land managers, ecologists, private landowners, government agencies, consultants and the forest products industry.

Forests, Water and People in the Humid Tropics - M. Bonell 2005-01-13

Forests, Water and People in the Humid Tropics is a comprehensive review of the hydrological and physiological functioning of tropical rain forests, the environmental impacts of their disturbance and conversion to other land uses, and optimum strategies for managing them. The book brings together leading specialists in such diverse fields as tropical anthropology and human geography, environmental economics, climatology and meteorology, hydrology, geomorphology, plant and aquatic ecology, forestry and conservation agronomy. The editors have supplemented the individual contributions with invaluable overviews of the main sections and provide key pointers for future research.

Specialists will find authenticated detail in chapters written by experts on a whole range of people-water-land use issues, managers and practitioners will learn more about the implications of ongoing and planned forest conversion, while scientists and students will appreciate a unique review of the literature.

General Technical Report INT. - 1982**Nez Perce National Forest (N.F.), Red Pines Project Area** - 2005**Resolving the Late Paleozoic Ice Age in Time and Space** -

Christopher R. Fielding 2008-01-01

"This volume summarizes new developments in understanding the longest-lived icehouse period in Phanerozoic Earth history, the late Paleozoic ice age. Resolving the Late Paleozoic Ice Age in Time and Space provides summaries of existing and new data from the various Gondwanan continental relics, and also reviews stratigraphic successions from the paleotropical and temperate regions of Laurussia that preserve an indirect record of glaciation. It addresses the extent to which records of glaciation indicate protracted, long-term climatic austerity, as opposed to fluctuating, more dynamic climate, and provides new constraints on the timing of glaciation. Additionally, it tackles questions of synchronicity of glaciation across the various Gondwanan continental relics, and timing relationships between near-field and far-field records at greater levels of resolution than has been possible previously. Results point toward a dynamic icehouse regime that is comparable to the Cenozoic icehouse, and away from traditional interpretations of the late Paleozoic ice age as a single, protracted event that involved stable, long-lived ice centers."-- Publisher's website.

Florida Resource(s) Management Plan (RMP) - 1994**Ochoco National Forest (N.F.), Mill Creek Allotment Management Plans** - 2010**Seventh Central Hardwood Forest Conference** - George Rink 1989**Louisville and Jefferson County Riverport** - 1981**User's Guide to CHEAPO II** - Joseph E. Horn 1986

Since its introduction in 1979, CHEAPO, a computer based economic analysis program, has allowed users of the Stand Prognosis Model to evaluate silvicultural alternatives from an economic point of view. Subsequent modifications to the Prognosis Model have rendered CHEAPO obsolete. This users guide covers a new computer model, CHEAPO II, which is compatible with version 5.1 of the Prognosis Model and expands its economic analysis capabilities.

Payette National Forest (N.F.), Paddy Flat Vegetation Management Project - 2005**Ecology of Tidal Freshwater Forested Wetlands of the Southeastern United States** - William H. Conner 2007-06-24

This book draws together the latest findings on the hydrological processes, community organization, and stress physiology of freshwater, tidally influenced land-margin forests of the southeastern United States. It describes the land use history that led to the restricted distribution of these wetlands, and provides descriptions of the hydrology, soils, biogeochemistry, and physiological ecology of these systems, highlighting the similarities shared among tidal freshwater forested wetlands.

Mark Twain National Forest (N.F.), Land and Resource Management Plan - 2005**General Technical Report NC.** - 1981**Wildlife Policies in the U.S. National Parks** - Frederic H. Wagner 1995-07

This volume presents the results of a five-year study of wildlife-management policies in national parks. It synthesizes interviews with individuals inside and outside the National Park Service, provides a comprehensive review of published and unpublished literature, and draws on the collective experience of the authors with various units of the system over the past three decades. Among the topics examined are: the structure and history of the National Park System and Service wildlife "problems" in the parks the role of science in formulating policies and in management recommendations for changes in policy formulation, management, and scientific research procedures

Humboldt-Toiyabe National Forest (N.F.), Jarbidge Ranger District Rangeland Management Project - 2009**Eldorado National Forest (N.F.), Big Grizzly Forest Health and Fuels Reduction Project** - 2010**Botanical Inventory of the Proposed Ta'u Unit of the National Park of American Samoa** - W. Arthur Whistler 1992**Understanding Multiple Environmental Stresses** - National Research Council 2007-04-25

The research of the last decade has demonstrated that ecosystems and human systems are influenced by multiple factors, including climate, land use, and the by-products of resource use. Understanding the net impact of a suite of simultaneously occurring environmental changes is essential for developing effective response strategies. Using case studies on drought and a wide range of atmosphere-ecosystem interactions, a workshop was held in September 2005 to gather different perspectives on multiple stress scenarios. The overarching lesson of the workshop is that society will require new and improved strategies for coping with multiple stresses and their impacts on natural socioeconomic systems. Improved communication among stakeholders; increased observations (especially at regional scales); improved model and information systems; and increased infrastructure to provide better environmental monitoring, vulnerability assessment, and response analysis are all important parts of moving toward better understanding of and response to situations involving multiple stresses. During the workshop, seven near-term opportunities for research and infrastructure that could help advance understanding of multiple stresses were also identified.

Biological Report - 1989**Designing and Conducting a Forest Inventory - case: 9th National Forest Inventory of Finland** - Erkki Tomppo 2011-07-24

This book demonstrates in detail all phases of the 9th National Forest Inventory of Finland (1996-2003): the planning of the sampling design, measurements, estimation methods and results. The inventory knowledge accumulated during almost one hundred years is consolidated in the book. The purpose of the numerous examples of results is to demonstrate the diversity of the estimates and content of a national forest inventory. The most recent results include the assessment of the indicators describing the biodiversity of forests. The Finnish NFI has been and is a model for many countries worldwide. The methods and results of the book are set in the international context and are applicable globally. The book provides a valuable information source for countries, institutions and researchers planning own inventories as well as modifying the existing ones, or seeking the applicable definitions and estimation methods to use in their own inventories.