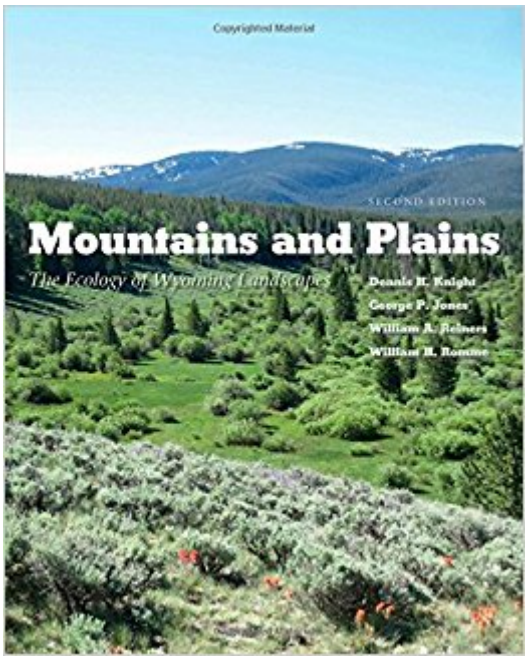
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Mountains And Plains: The Ecology Of Wyoming Landscapes, Second Edition



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Synopsis

An up-to-date and comprehensive guide to the ecology of Wyoming and adjacent Rocky Mountain states Many changesÃ¢â ¬â •some discouraging, others hopefulÃ¢â ¬â •have occurred in the Rocky Mountain region since this widely acclaimed book was first published twenty years ago. Wildlife habitat has been fragmented at an alarming rate, the once-abundant sage grouse is now a candidate for protection by the Endangered Species Act, invasive plants and insects have become more common, and forest fires occur more frequently. Yet improved approaches to management and conservation have been adopted. For this updated and expanded Second Edition, the authors provide anÃ Â easy-to-read synthesis of research pertinent to natural resource management, focusing in particular on Wyoming and adjacentÃ Â parts of neighboring states. Ã Â Exploring the regionÃ¢â ¬â„¢s wetlands, plains, intermountain basins, foothills, and mountains, along with landscapes of special interestÃ¢â ¬â •Greater Yellowstone, the Black Hills, Bear Lodge Mountains, and Devils Tower, the Laramie BasinÃ¢â ¬â •the authors discuss an array of land management and conservation issues, always taking into account the implications of climate change. They offer answers to the questions that motivated the writing of this volume: How can ecosystems be used in ways that enable future generations to benefit from them as we have? How can we anticipate and adapt to climate changes while conserving biological diversity?

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Customer Reviews

Ã¢â ¬Å“Written with authority and passion, this second edition of Mountains and Plains is a

treasure trove of information on WyomingÃ¢â ¬â„¢s grand ecosystems. ItÃ¢â ¬â„¢s a must-have for the serious ecologist, resource manager or weekend naturalist.Ã¢â ¬Â•Ã¢â ¬â •Cathy Whitlock, Institute on Ecosystems, Montana State University (Cathy Whitlock 2014-04-07)"There is an extensive glossary, especially useful in a book so rich in detail, a book as likely to be consulted as a reference as to be read straight through. . . . The remarkable level of accuracy in the book's writing and editing makes the work virtually error-free."Ã¢â ¬â •David M. Armstrong, Great Plains Research (David M. Armstrong Great Plains Research)"The inter-relationships between vegetation, soils, topography, history and other factors are stressed throughout the book, which will surely be a valuable text both in Wyoming and in adjacent states, and which would be excellent reading for any ecologically minded visitor to the state. The book is well-produced and informatively illustrated throughout."Ã¢â ¬â •Kew Bulletin (Kew Bulletin)"One of those rare books that will appeal to the whole spectrum of ecological reader from casual wildflower enthusiast to serious researcher."Ã¢â ¬â •Chris Madison, Editor, Wyoming Wildlife (Chris Madison)"An excellent description of Wyoming landscapes that will become the definitive work for all those interested in this fascinating region of our country."Ã¢â ¬â •Paul G. Risser, president, Miami University, Oxford, Ohio (Paul G. Risser)"This is a very readable book that is equally attractive to the serious researcher and to travelers who appreciate the great diversity that exists in Wyoming landscapes."Ã¢â ¬â •Jane Sullivan, First Lady of Wyoming (Jane Sullivan)"A stimulating primer on the ecology of the Intermountain West and the scientific inquiry that these landscapes engender."Ã¢â ¬â •Cathy Whitlock, Yellowstone Science (Cathy Whitlock Yellowstone Science)"A well-organized, well-written labor of love by a man eminently knowledgeable about his topic. The writing is crisp, clean, and readable by nearly everyone. Ecological theory is skillfully interwoven with descriptions of the numerous and varied biotic communities in Wyoming. . . . Mountains and Plains is a fine accomplishment, and worthwhile reading for both professional and layman alike."Ã¢â ¬â •H. J. Harju, Prairie Naturalist (H. J. Harju Prairie Naturalist)"We students of vegetation should read the book for ourselves and then share it with friends who want to know more about the U.S. West."Ã¢â ¬â •Dr. Jane H. Bock, Journal of Vegetation Science (Dr. Jane H. Bock Journal of Vegetation Science)"At once very engaging reading, an important reference work, and a superb entree into the scientific literature."Ã¢â ¬â •Michael B. Coughenour, New Biological Books (Michael B. Coughenour New Biological Books)"Dennis Knight has distilled decades of learning about Wyoming landscapes into this wonderful book that combines the best of ecology and natural history. . . . I hope this book will stimulate scholars to prepare books that examine the landscapes of other territories in western North America, and that they will be done with the thoroughness,

balance, and style makes this book so informative and fun."Ã¢â ¬â •Dan Binkley, Northwest Science (Dan Binkley Northwest Science)"A must for any naturalist visiting this state, and if only a book like this were available for other areas of the United States."Ã¢â ¬â •Bryan Sage, Country-SIDE (Bryan Sage Country-SIDE)"This book is useful to a relatively broad audience, from undergraduate students to advanced researchers. There is enough detail and literature citations to provide an excellent introduction to most of the landscapes of the Rocky Mountain region. The book would be very appealing for field courses in ecology and conservation biology using this region as a classroom. . . . An important resource for students of Rocky Mountain ecology. It provides a synthetic approach to understanding the ecology and wise land use management of one of North America's greatest natural regions."Ã¢â ¬â •William D. Bowman, Ecology (William D. Bowman Ecology)Ã¢â ¬Å“Mountains and Plains, 2nd Edition is truly a remarkable and comprehensive piece of scholarship. I know of no other book with similar focus, scope, and insight.Ã¢â ¬Â•Ã¢â ¬â •Donald R. Zak, University of Michigan (Donald R. Zak 2014-03-18)Ã¢â ¬Å“Knight, Jones, Reiners, and Romme have tackled a large, complex topic and have woven some remarkably clear stories. Very well done.Ã¢â ¬Â•Ã¢â ¬â •Dan Binkley, Colorado State University (Dan Binkley 2014-03-21)Ã¢â ¬Å“An extraordinary and highly readable explanation of the Wyoming landscape for anyone involved with the use, study, or preservation of our resources from beneath our feet to the horizon.Ã¢â ¬Â•Ã¢â ¬â •John Schiffer, rancher and Wyoming state senator (John Schiffer 2014-04-23)Ã¢â ¬Å“Technically accurate and gracefully written. The authors have spent much of their careers studying the plant and animal life that make Wyoming one of the most engaging landscapes in North America. From the flower-strewn tundra of the Beartooth Plateau to the alkali pans of the Red Desert, Mountains and Plains explains in straightforward terms why the region is the way it is. A great reference; a great read.Ã¢â ¬Â•Ã¢â ¬â •Chris Madson, editor emeritus, Wyoming Wildlife, and author of When Nature Heals (Chris Madson 2014-04-22)Ã¢â ¬Å“Any curiosity about WyomingÃ¢â ¬â„¢s landscapes will make this book a real page turner.Ã¢â ¬Â•Ã¢â ¬â •Bard Gorges, Wyoming Tribune Eagle (Bard Gorges Wyoming Tribune Eagle)

Dennis H. Knight is professor emeritus, Department of Botany, George P. Jones is associate director and vegetation ecologist, Wyoming Natural Diversity Database, and William A. Reiners is J. E. Warren Professor of Energy and Environment, all at the University of Wyoming. William H. Romme is professor emeritus and research scientist, Natural Resource Ecology Laboratory, Colorado State University.

Solid book, great insight into learning about Greater Yellowstone Ecosystem. Should be read alongside other reads if your looking for a cross disciplined appreciation of Grand Tetons.

As with the first edition, this is a must have book. The updates are excellent and very glad that this is available.

Great book on the flora of Wyoming

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