

# SILVICULTURE

## SILVICULTURE: Concepts and Applications (2nd ed.)

Ralph Nyland. Defines and describes silviculture as a collection of methods for establishing and maintaining communities of trees and other vegetation that have value to people. New edition adds emphasis on the application of silviculture in addressing the non-market and ecosystem values of forests - to maintain habitat for plants and animals, enhance the yield of clean water, and provide diverse recreational opportunities. Nyland seeks not only to maintain forests for those various uses, but to show the ways in which silviculture can increase the diversity of uses. A practical text known for detailed applications from the real world of silviculture. 6-3/8 x 9-1/4, 640p, 69 b&w photos, 105 b&w illus., 2001. **S1902** hardcover .....US \$113.95 CAN \$156.95

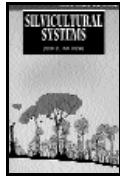
## THE PRACTICE OF SILVICULTURE: Applied Forest Ecology (9th ed.)

David Smith, et al.. A premier source of ecologically and economically sound information on the long-term treatment of forests. Provides the information necessary to understand, analyze, and apply the various techniques available for growing stands under any circumstances. Emphasizes the development of techniques so professionals are able to invent silvicultural solutions to problems. 7 x 10, 560p, 1997. **P941X** hardcover .....US \$106.95 CAN \$141.50



## SILVICULTURAL SYSTEMS

John Matthews (Univ. Aberdeen). "Silvicultural systems" are complete regimes that regenerate, tend, and harvest forests. They have proved effective in Europe and successful in temperate and sub-tropical forestry, often in conditions quite different from those in which they originated. Describes 20 systems so that foresters, land managers, & ecologists may select and use those best-suited to their needs. 6 x 9, 304p, 31 illustrations, 1990. **S670X** paperback .....US \$59.50 CAN \$88.50



## NORTH AMERICAN FORESTS: Geography, Ecology and Silviculture

Laurence Walker. Describes where, why and how the many types of trees found in this continent grow in silvical associations called "forest cover types". Includes over 100 types, with data's tropics reviewed. Walker offers his 5 decades of forestry practice to readers. 6-1/4 x 9-1/2, 300p, b&w photos, 1998. **N1760** hardcover .....US \$89.95 CAN \$127.95



## REGIONAL SILVICULTURE OF THE UNITED STATES (3rd ed.)

John Barrett (Univ. Tennessee), ed. Provides a broad-based knowledge of contemporary silviculture theory and practice. Up-dated, expanded. Features region-by-region coverage of the 11 major forest types across the U.S.. Offers a detailed look at practices that promote a wide range of forest resources. Provides readers with a framework for the analysis of forest data and the development of innovative solutions tailored to specific forest types and the shifting politicoeconomic constraints under which silviculturalists must work. 6-1/2 x 9-1/2, 656p, 1995. **R8178** hardcover .....US \$225.00 CAN \$326.00



## SOUTHERN FOREST: Geography, Ecology, and Silviculture

Laurence Walker, Brian Oswald. An in-depth examination of the forests of the South. Given future harvesting demands, this book provides the information for practicing foresters, researchers, and students to increase growth dramatically for the many forest types and in the various sub-regions without detrimentally affecting soil, species diversity, or long-term aesthetics. A valuable reference to the soils, biotic components, climate or physiology of the region. 7 x 10, 352p, 200+ photos, diagrams, tables, 1999. **S3074** hardcover .....US \$99.95 CAN \$140.95

## SILVICULTURAL GUIDE TO MANAGING SOUTHERN ONTARIO FORESTS

Ontario MNR. Ideal for resource managers, forestry consultants, and woodlot owners seeking the latest scientific information, guidance on tree species, silvicultural practices and forest ecology information for managing southern Ontario's diverse woodlands. Provides numerous guidelines based on research in southern and central Ontario, the Great Lakes states, and the NE United States, as well as on practical experience with the development and implementation of silvicultural prescriptions in southern Ontario. 8-1/4 x 10-3/4, 648p, b&w photos, tables, figures, maps, 2001. **S2294** paperback .....US \$22.00 CAN \$27.50



## SILVICULTURAL GUIDE FOR THE GREAT LAKES - ST. LAWRENCE CONIFER FOREST IN ONTARIO

Ontario MNR. Part one summarizes the ecology of the Great Lakes-St. Lawrence conifer forest, with a focus on the dominant tree species. The second part provides forest managers with recommended strategies and standards to achieve ecological sustainability in the conifer



forest. Describes both practices that are mandated (by policy or law) and those considered to represent best practices based on current knowledge and expertise. 8-1/4 x 10-3/4, 424p, tables, photos, figures, illustrations, 1998. **S7052** flexi .....US \$22.00 CAN \$27.50

## SILVICULTURAL GUIDE FOR THE TOLERANT HARDWOOD FOREST IN ONTARIO

Ontario MNR. Part one describes the ecology of the "tolerant hardwood forest," with a focus on the seven principal tree species. Summarizes information on abiotic (values, distribution, site and climate) and biological factors (silvics, genetics, growth and yield and quality). The second part provides forest managers with recommended strategies and standards to manage human activities in the forest. 8-1/4 x 10-3/4, 500p, tables, maps, figures, charts, 1998. **S7060** flexi .....US \$22.00 CAN \$27.50



## SILVICULTURAL GUIDE TO MANAGING FOR BLACK SPRUCE, JACK PINE AND ASPEN ON BOREAL FOREST ECOSITES IN ONTARIO

Ontario MNR. Provides silvicultural and ecological information for the management of black spruce, jack pine and aspen on boreal ecotopes in Ontario, within the context of sustainable forest management. An ideal resource and reference for resource managers, forestry consultants, and woodlot owners. 3 book set, 5-3/4 x 9 each, 770p, b&w illustrations, tables, figures, 1997, reprint 2001. **S7028** paperback (3 volumes) .....US \$22.00 CAN \$27.50



## SILVICULTURAL GUIDE FOR THE WHITE PINE AND RED PINE WORKING GROUPS IN ONTARIO

**S979X** paperback .....US \$19.95 CAN \$27.50

## TREE-MARKING GUIDE FOR THE TOLERANT HARDWOODS WORKING GROUP IN ONTARIO

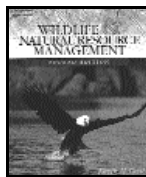
H.W. Anderson, J.A. Rice. Intended for use at the stand level, where marking prescriptions are determined by both tree and stand characteristics, in relation to timber, wildlife & other ecosystem management objectives. A companion to the *Silvicultural Guide for the Tolerant Hardwoods Working Group in Ontario*. 8-1/2 x 11, 227p, color photos, tables, 1993. **T1132** spiral bound pb .....US \$19.95 CAN \$27.50



# WILDLIFE MANAGEMENT

## WILDLIFE & NATURAL RESOURCE MANAGEMENT (2nd ed.)

Kevin Deal. A high-school-level text to conservation and environmental management. Provides detailed coverage of many areas, including the history of wildlife conservation and management in America, the government agencies involved, financing, and private conservation organizations. Other topics include: soil, forest, water management and conservation; the habitat requirements, feeding and breeding habits of most species of native fauna, and; endangered species and the Endangered Species Act. 8 x 9-1/4, 384p, b&w photos, 2003. **W6813** hardcover .....US \$78.95 CAN \$102.95



## INTRODUCTION TO WILDLIFE MANAGEMENT: The Basics (1st ed.)

Paul Krausman. Presents the basic principles and components of management of wildlife as a resource. Complete coverage of the basics, including: basic population parameters; understanding predation; selected diseases of mammals; census terminology; the economics in wildlife management, and; more. Provides an inclusive and detailed study of the fundamentals of wildlife management. 7 x 9-1/4, 432p, 13 b&w photos, 66 line drawings, 2001. **I8501** hardcover .....US \$100.00 CAN \$139.95



## WILDLIFE RESTORATION: Techniques for Habitat Analysis and Animal Monitoring

Michael L. Morrison (Society for Ecological Restoration). Provides ecologists, restorationists, administrators and other professionals with a basic understanding of the fundamentals of wildlife populations and wildlife/habitat relationships. Offers a thorough overview of the types of information needed in planning a wildlife/habitat restoration project, as well as the basic tools necessary for developing and implementing a rigorous monitoring program. 6 x 9, 215p, tables, diagrams, graphs, 2002. **W9377** paperback .....US \$25.00 CAN \$34.95



## WILDLIFE ECOLOGY AND MANAGEMENT (5th ed.)

Eric G. Bolen, William Robinson. A comprehensive, single-source introduction to the art, science, theories, practices, and issues of wildlife management. Revised text provides updated terminology, references and studies. Thorough coverage of current issues and new areas of interest, plus a comprehensive overview of the most important topics, including predators, urban wildlife, policy, water, soil, diseases, conservation biology. 7-1/2 x 8-1/2, 656p, 194 b&w photos, 82 b&w illustrations, 2002. **W250X** hardcover .....US \$103.00 CAN \$134.95

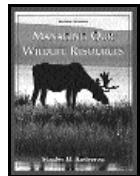


## PRINCIPLES OF WILDLIFE MANAGEMENT

James A. Bailey. Concepts are presented in a non-dogmatic way, with many diverse examples that encourage the use of local and counter-examples to enhance classroom discussion. Includes a discussion on the social aspects of wildlife conservation, wildlife biology and environments, population dynamics, and management practices. Features end-of-chapter summaries on management principles. 6-1/2 x 9-1/2, 373p, tables, 1984. **P6497** hardcover .....US \$92.95 CAN \$121.95

## MANAGING OUR WILDLIFE RESOURCES (4th ed.)

Stanley Anderson. Relates biological concepts to wildlife management and presents management techniques that can be used at different levels of wildlife management - field, regional, national and international. Addresses the tools for and constraints on wildlife management and the wildlife manager. Updates information and research in key areas, including wildlife management, wildlife populations and habitat, wildlife laws, setting goals, and management applications. Case studies and examples throughout. 8 x 10, 576p, 173 b&w photos, 108 line drawings, 2001. **M5774** hardcover .....US \$101.00 CAN \$147.95



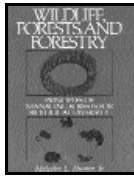
## WILDLIFE HABITAT RELATIONSHIPS: Concepts and Applications (2nd ed.)

Michael Morrison, et al.. "Looks critically at the intellectual tools and models that are stock-in-trade of wildlife biologists and forest managers." Provides a broad, but advanced understanding of

habitat relationships applicable to all terrestrial species. Coverage of spatial analysis, landscape ecology, animal populations & their quantification, behavioral studies, and resources available to the wildlife professional. 7 x 9, 416p, 85 photos, diagrams & charts, 1998.  
**W6400** hardcover .....US \$34.95 CAN \$49.95

**WILDLIFE, FORESTS, & FORESTRY: Principles of Managing Forests for Biological Diversity**

Malcolm Hunter. Examines the interface between forestry and wildlife. Explains the concepts that form the foundations for specific guidelines. At the macro level, examines managing forest landscapes, including species composition, age structure, edges, etc.. At the micro level, examines managing forest stands, including dying, dead and down trees, vertical structure, intensive silviculture, etc.. Provides a comprehensive & accessible approach to managing forest resources in order to optimize wildlife diversity. 6-1/2 x 9-1/2, 370p, b&w photos + illustrations, 1990, reprint 2003.  
**W6186** paperback .....US \$89.95 CAN \$131.95



help one of N.A.'s great natural resources. 6 x 9, 256p 36 b&w photos, 43 line illustrations, 2000.  
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**WILDLIFE HABITAT RELATIONSHIPS IN FORESTED ECOSYSTEMS (revised edition)**

David Patton. An innovative systems approach to the management of large and small animal species within forest areas. Stresses the use of computer models to analyze ecological relationships. Intended as a practical guide for forest managers, policymakers, and students. 6 x 9, 442p, 138 line illustrations & tables, 1992, revised 1997.  
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**ENHANCEMENT OF WILDLIFE HABITAT ON PRIVATE LANDS**

Daniel Decker, John Kelley. Practical information for landowners - a compilation gathered from existing references, with emphasis on low to moderate cost and time commitment. Easy-to-understand instructions and illustrations. 11 x 8-1/2, 38p, illustrations, revised 1998.  
**E2236** paperback .....US \$8.50 CAN \$12.95



**WILDLIFE & TIMBER FROM PRIVATE LANDS: A Landowner's Guide to Planning**

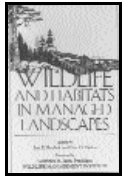
D.J. Decker, J.W. Kelley, T.W. Seamans, R.R. Roth. Discusses integration of forest and wildlife management. Includes a sample woodland/wildlife management plan and explains how landowners can make their own. 8-1/2 x 11, 55p, illustrations, 1990.  
**W0314** paperback .....US \$6.50 CAN \$9.95

**WILDLIFE DAMAGE MANAGEMENT IN FRUIT ORCHARDS**

Paul D. Curtis, et al.. Reviews the problems caused by wildlife, discusses methods to protect plants and highlights experimental techniques to control damage. The information applies to deer, voles, woodchucks, rabbits, and birds. 8-1/2 x 11, 28p, illustrations, 1994.  
**WB236** paperback .....US \$5.95 CAN \$8.95

**WILDLIFE AND HABITATS IN MANAGED LANDSCAPES**

Jon E. Rodiek, Eric G. Bolen, eds.. Presents a new strategy for protecting wildlife that applies the tools of planning, management, and design to entire landscapes to meet the needs of both wildlife and humans. 6 x 9, 250p, illustrations, figures, tables, 1991.  
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**METAPOPULATIONS AND WILDLIFE CONSERVATION**

D.R. McCullough, ed.. The central concept of metapopulation dynamics - a constellation of partially isolated patches can yield overall stability to a system that is chaotic at the level of the individual patch - offers a new way of thinking about the conservation and management of populations dispersed among small habitat fragments. Presents a comprehensive overview and analysis, covering its applicability to real-world programs. 6 x 9, 432p, photos, 1996.  
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**EASTERN DECIDUOUS FOREST: Ecology and Wildlife Conservation (2nd ed.)**

Richard Yahner. An updated version of this popular reference. Integrates basic biological principles into an account of the ecological consequences of society's actions. Traces the history of forest conservation and discusses relevant issues, like the loss of biodiversity, acid deposition, ozone depletion, and more. Includes the latest information on the forest and its wildlife. A timely and useful tool for anyone who wants to know or hopes to

**FORESTRY ISSUES**

**Soils**

**SOIL SCIENCE & MANAGEMENT (4th ed.)**

Edward Plaster. Highlights what farmers, horticulturalists, environmentalists and others need to know to promote effective use of soils. Covers all aspects of soil usage, including management techniques, composition, fertility, erosion, conservation, irrigation, and more. Includes information on nutrient management, best practices, and relevant legal issues and government programs. A comprehensive, non-technical text on how soils work and how they are used most effectively. 8 x 9-1/4, 416p, b&w photos, tables, diagrams, 2003.  
**S9354** hardcover .....US \$117.95 CAN \$139.95



science, new developments brought about by computer technology, and new techniques in waste disposal. A readable and well-illustrated resource for students, farmers, and professionals. 6 x 9, 268p, b&w illustrations, 2001.  
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**ECOLOGY AND MANAGEMENT OF FOREST SOILS (3rd ed.)**

Richard Fisher, Dan Binkley. A valuable reference devoted to forest soils, the foundation of the entire forest ecosystem. Revised edition details the distinctive features of forest soils. Discusses the physical, chemical, and biological aspects of forest soils, as well as soil organic matter, roots, and biogeochemistry. Touches on the practical management aspects, like nutrition management, site preparation techniques, soils for nursery and seed orchard operation, soil acidity, and techniques for sustaining and improving long-term soil productivity. 6-1/8 x 9-1/4, 512p, b&w photos, tables, figures, 2000.  
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**Sustainability/Conservation**

**TOWARDS FOREST SUSTAINABILITY: Regional, National, and Global Perspectives**

David Lindenmayer, Jerry Franklin. A unique collection of essays by some of the world's leading forests ecologists and managers describing the changes in forest management - highlighting what worked, what didn't, and why. Documents the drivers of the change in the logging industry and the resulting outcomes, both good and bad. Provides real-world insights, into government policy, industrial concerns, and conservation and biodiversity issues. 5-3/4 x 8-1/4, 212p, photos, tables, figures, maps, 2003.  
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**GREEN SPIRIT: Trees are the Answer**

Patrick Moore. From an ecologist and co-founder of Greenpeace, a book that proposes that, rather than reducing our consumption of wood, we should be planting more trees and using more renewable wood in order to reduce our reliance on non-renewable fuels and materials. By linking forests, biodiversity conservation, and climate change, Moore argues that the apparent logic of saving the forests by cutting fewer trees and using less wood is actually an anti-environmental proposition. 8-1/2 x 11, 155p, color photos, 2000.  
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**TAKING STANDS: Gender and the Sustainability of Rural Communities**

Maureen Reed. Draws on the experiences of women who have become part of the transformation and restructuring of the forest industry and forestry communities. Goes beyond the dichotomies of "pro" and "anti" environmentalism to tell the stories of these women seeking to protect forestry as an industry, a livelihood, a community, and a culture. A critical commentary on the social dimensions of sustainability in rural, resource-dependent communities. 6 x 9, 296p, 12 b&w illustrations, maps, 2004.  
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**FOREST SUSTAINABILITY: The History, the Challenge, the Promise**

Donald W. Floyd (FHS Issues Series). Suggests that forest sustainability on a global basis is a distant, worthy, and perhaps unobtainable goal without significant changes. Yet, it remains a goal that we must seek. Provides a historical context to sustainable forestry internationally with a focus on N.A.. 6 x 9, 85p, color + b&w photos, figures, map, 2002.  
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**SETTING THE STAGE FOR SUSTAINABILITY: A Citizen's Handbook**

Chris Maser, Charles Beaton, Kevin Smith. Looks at resolving environmental conflicts through a "transformative" rather than a "problem-solving" approach emphasizing the capacity of facilitation for personal growth. Analyzes good and bad institutionalized social patterns in an ecological sense. Offers positive and constructive ways of looking at potential obstacles to building a sustainable community. 6-1/4 x 9-1/2, 304p, 1998.  
**S1876** paperback .....US \$49.95 CAN \$69.95

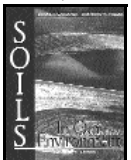
**KEEPING FAITH WITH NATURE: Ecosystems, Democracy, and America's Public Lands**

Robert Keiter. Examines the historical, scientific, political, legal, and institutional developments affecting public land management priorities and policies. Uses specific natural resource controversies to analyze the ideas, forces, and institutions both fomenting and retarding change. In this time of change and the emergence of a collaborative process movement, Keiter offers a coherent new approach to natural resources policy. An insightful examination that will appeal to anyone interested in public lands policy. 6-1/8 x 9-1/4, 416p, 20 b&w illustrations, 2003.  
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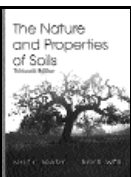
**SOILS IN OUR ENVIRONMENT (10th ed.)**

Duane Gardiner, Raymond Miller. Up-dated edition to this time-honored introduction to soil sciences. Covers the complete spectrum of traditional and state-of-the-art soil topics, including: taxonomy; formation; properties; common problems and their solutions; evaluation; precision agriculture; GIS and GPS. New coverage of tillage erosion, the phosphorous index, and organic farming. A complete foundation for anyone interested or involved in soil science. 6 x 9, 264p, 89 color plates, b&w photos, tables, 2003.  
**S1955** hardcover .....US \$115.95 CAN \$149.95



**THE NATURE AND PROPERTIES OF SOILS (13th ed.)**

Nyle Brady, Ray Weil. The most widely-used soils textbook in the world. Updated material and format, with new photos and diagrams. The text has an ecological approach that explains the fundamental principles of soil science. Includes new or updated coverage of a wide variety of topics, including wetlands and their poorly aerated soils, irrigation management, septic tank drain fields, engineering properties of soils, and more. A comprehensive reference that synthesizing a large amount of technical detail into a manageable format. 8-1/2 x 11, 960p, 238 b&w photos, 288 line drawings, 12p color insert, 2001. **OVERSIZE**.  
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**SOIL SCIENCE SIMPLIFIED (4th ed.)**

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