

FOREST WILDLIFE ECOLOGY AND HABITAT MANAGEMENT

Across the continental United States, one can identify 20 distinct forest cover types. Most of these are to be found on federal lands managed by the U.S. Forest Service and Bureau of Land Management. Those responsible for the management of trees that form the 20 different cover types and the diversity of forest wildlife that reside in them must have a solid grounding in concepts of forest management, especially silviculture, as well as concepts of wildlife management in order to integrate both as part of any effective natural resource management plan.

Forest Wildlife Ecology and Habitat Management provides both foresters and wildlife biologists responsible for managing forest resources with an integrated understanding of the relationship between forests and wildlife. Based on David Patton's 30 years of experience as a forester and wildlife biologist, the book shows readers how to look at forests as ecological systems and wildlife as part of the energy flow and nutrient cycling process within those systems. He offers readers a fundamental understanding of the natural processes that occur in a forest taking into consideration vegetation, water, and the natural effects of climate and time. He then provides a biological perspective on wildlife, discussing reproduction, behavior, feeding habits, and mobility. He also discusses the various influences on forests and wildlife by both natural and human-caused events. Covering those forest types included in the U.S. National Atlas and associating over 1,100 wildlife species with 20 major forest types in 48 states, Professor Patton provides recommendations for ways to restore and maintain wildlife habitat by direct and indirect coordination. Towards this end, the author

- Evaluates various approaches to integrate forestry and wildlife management
- Offers a number of practical management strategies, emphasizing a progressive holistic approach
- Presents the FAAWN (Forest Attributes and Wildlife Needs) data model

A CD-ROM is included that provides readers with easy-to-use software that will help them consider more than 63,000 potential associations among forest components and wildlife within the FAAWN model.



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