



FIRE IN CALIFORNIA'S ECOSYSTEMS

EDITED BY NEIL G. SUGIHARA, JAN W. VAN WAGTENDONK, KEVIN E. SHAFFER, JO ANN FITES-KAUFMAN AND ANDREA E. THODE

Foreword by James K. Agee

"A rigorous synthesis and review of the role of fire in California's tremendously variable natural environments. The authors have made a substantial contribution to the fields of fire ecology, natural history, and land stewardship. With this volume, California again shines as a model for other states and regions."

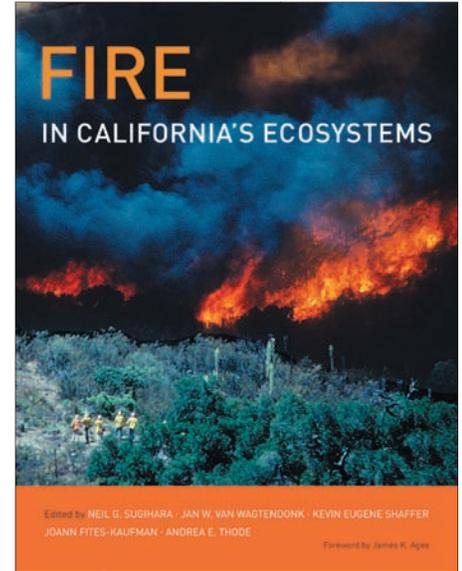
—Dr. J. Morgan Varner, Humboldt State University

"Fire in California's Ecosystems proficiently explains the complex nature of the effects of wildfire, wildfire suppression, and fuels treatments on our state's diverse fauna and flora. This book is a useful tool for biologists seeking to develop effective management measures to maintain fire-dependent ecosystems or to conduct further research."

—Monica Bond, Wildlife Biologist, Center for Biological Diversity

Fire is both an integral natural process in the California landscape and growing threat to its urban and suburban developments as they encroach on wildlands. Written by many of the foremost authorities on the subject, this comprehensive volume, an ideal text and authoritative reference tool, is the first to synthesize our knowledge of the science, ecology, and management of fire in California. Part I introduces the basics of fire ecology. It includes an historical overview of fire, vegetation, and climate in California; overviews of fire as a physical and ecological process; and reviews the interactions between fire and the physical, plant, and animal components of the environment. Part II explores the history and ecology of fire in each of California's nine bioregions. Part III examines fire management in California, including both

Native American and post-European settlement; discusses current issues related to fire policy and management, including air quality, watershed management, invasive plant species, native species, and fuel management; and considers the future of fire management.



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