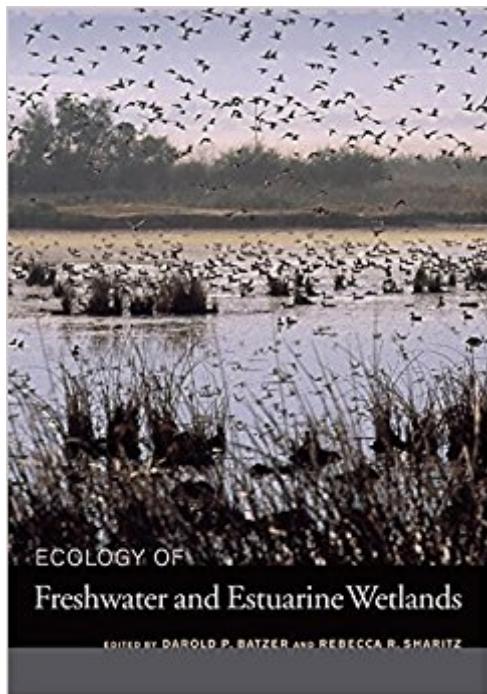


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# Ecology Of Freshwater And Estuarine Wetlands



## Synopsis

Designed as a textbook, this volume is an important, up-to-date, authoritative, and accessible survey in ecology of freshwater and estuarine wetlands. Prominent wetland scholars address the physical environment, geomorphology, biogeochemistry, soils, and hydrology of both freshwater and estuarine wetlands. Careful syntheses review how hydrology and chemistry constrain wetlands plants and animals. In addition, contributors document the strategies employed by plants, animals, and bacteria to cope with stress. Focusing on the ecology of key organisms, each chapter is relevant to wetland regulation and assessment, wetland restoration, how flood pulses control the ecology of most wetland complexes, and how human regulation of flood pulses threatens wetland biotic integrity. Ideal for the classroom, this book is a fundamental resource for anyone interested in the current state of our wetlands.

## Book Information

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“The editors are to be highly commended for . . . the straightforward and honest writing style that continually weaves its way throughout this text.” (Mark W. Hester Ecology 2008-02-01) “Provides a comprehensive introduction to the great ecological breadth and complexity that wetlands exhibit ranging from microbial process to biogeography and global climate.” (Wetlands 2008-03-01)

“An exciting new wetlands book with an international flavor that provides a synthesis of basic and

applied research. Written by experts in the field the volume focuses on ecosystem processes, plant and animal ecology and wetland restoration."&#151;Curtis J. Richardson, Director of the Duke University Wetland Center."An excellent interdisciplinary team provides a fresh synthesis that has continuity among chapters, is refreshingly honest and cautionary, and is responsive to societal pressures and opportunities. A road forward from society's dismal swamp of past behaviors and missed opportunities."&#151;R. Eugene Turner, Louisiana State University"There's everything here from biogeography, climate change, wetland soils and hydrology to descriptions of wetland types and their biota viruses, bacteria, all the way up to the charismatic megafauna and megaflora, to chapters on wetland regulation and policy, restoration, and biodiversity."&#151;Stephen Threlkeld, University of Mississippi

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