

The second edition of this important and authoritative survey provides students and researchers with up-to-date and accessible information about the ecology of freshwater and estuarine wetlands.

Prominent scholars help students understand both general concepts of wetland types as well as complex topics related to these dynamic physical environments. Careful syntheses review wetland soils, hydrology, and geomorphology; abiotic constraints for wetland plants and animals; microbial ecology and biogeochemistry; development of wetland plant communities; wetland animal ecology; and carbon dynamics and ecosystem processes. In addition, contributors document wetland regulation, policy, and assessment in the United States and provide a clear roadmap for adaptive management and restoration of wetlands. This new edition also includes an expanded review of the implications of a changing global environment on wetlands.

Ideally suited for wetlands ecology courses, *Ecology of Freshwater and Estuarine Wetlands*, Second Edition, features updated content, enhanced images (many in color), and innovative pedagogical elements that guide students and interested readers through the current state of our wetland ecosystems.



"A comprehensive and timely introduction to wetlands ecology. Would serve as an excellent textbook for classes focusing on wetlands, wetland ecology, and related classes where system ecology and function may be of interest."—*Journal of the Botanical Research Institute of Texas*

PRAISE FOR THE FIRST EDITION

"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*

"Provides a comprehensive introduction to the great ecological breadth and complexity that wetlands exhibit, ranging from microbial process to biogeography and global climate."—*Wetlands*

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Large cover image: Freshwater marsh in the Mississippi River (Birdfoot) Delta, Louisiana, with duck potato (*Sagittaria lancifolia*) in foreground; photo courtesy of Karen McKee. Small cover images, top to bottom: Muskrat (*Ondatra zibethicus*); photo courtesy of Michele Rundquist-Franz. Bur-marigold (*Bidens laevis*); photo courtesy of Andrew Baldwin. Planthopper (*Prokelisia* sp.); photo courtesy of Steve Pennings. Sea purslane (*Sesuvium portulacastrum*); photo courtesy of Karen McKee. Back cover image: Great Dismal Swamp National Wildlife Refuge; photo courtesy of the US Fish and Wildlife Service.

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