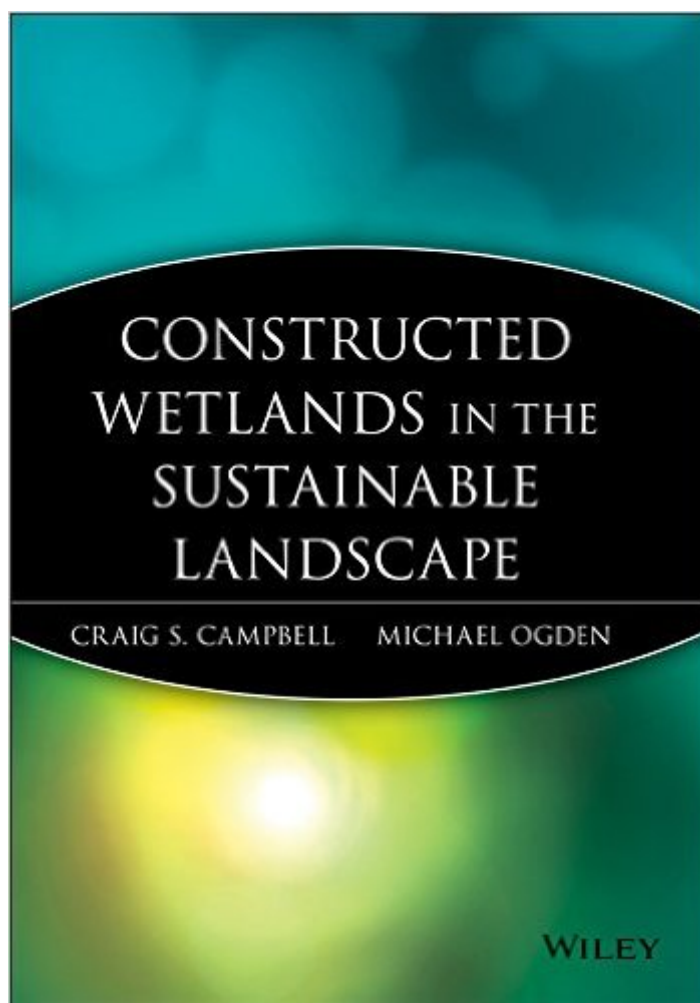


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# Constructed Wetlands In The Sustainable Landscape



## Synopsis

LandscapeConstructed wetlands are gaining worldwide acceptance as effective, low-cost, and low-impact alternatives to unsightly, high-impact wastewater treatment facilities. The creative involvement of today's planners, landscape architects, developers, environmental engineers, and public officials is helping to maximize the potential of these wetland habitats--from their aesthetics to their multiple uses as water treatment plants, wildlife refuges, and recreational or educational facilities. Yet, to date, the literature has paid no attention to these aspects, focusing instead on the technical side of wetlands construction and function. *Constructed Wetlands in the Sustainable Landscape* is the first book to integrate aesthetic design and planning issues with the technical aspects of wetlands engineering. Renowned landscape architect Craig S. Campbell and engineer Michael H. Ogden clearly demonstrate how the successful development and management of multifunctional, sustainable wetland habitats depend on harnessing the knowledge and working principles of a number of disciplines. Richly illustrated with real-world case studies, the book:

- \* Covers the concept of sustainable development and the nature of wetland processes.
- \* Discusses designs for new and existing municipal and small community wastewater treatment facilities.
- \* Contains examples of on-site planning for, and management of, stormwater renovation, single-family residential systems, and multiple-use systems.
- \* Examines landscape engineering and planning for ponds, urban wildlife, and ecological art.

Clearly written and accessible to nonengineers and nonscientists, *Constructed Wetlands in the Sustainable Landscape* is a crucial guide for landscape architects, environmental engineers, planners, developers, and others responsible for the design and management of our built environment.

## Book Information

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## Customer Reviews

This book has become an invaluable reference around our office...for the engineers, landscape architect and directors. The book covers a range of useful topics, from design basics (including relevant modeling formulas), pricing estimates, integration information for planners, citizens and regulators, wetland ecology background notes, landscaping ideas and wonderful examples of systems that the authors themselves have designed and installed. The book highlights the benefits of wetlands often overlooked or undervalued in other engineering-oriented texts - wildlife habitat creation, aesthetics, water recharge, etc. Since the book was written by a landscape architect and an engineer, two visionary pioneers in their fields, it covers a lot of useful ground.

This is an in-depth analysis of the subject of waste water and storm water treatment through living wetland systems. I am a permaculture teacher and ecologically oriented land developer, not an engineer. For me, this book is sufficiently accessible that I am gaining a thorough understanding of the subject which I expect will prepare me to have intelligent discussions with engineers and government staff people and make informed decisions. I can't gauge how useful it would be for someone who is a professional in the field of water treatment, but my research did not turn up any better resources. The author is extremely knowledgeable about the state of the art when it was written. However, although it is dated 1999, most of its references are dated no later than 1993. I would dearly love to find a resource that discusses projects that have been built since then and brings this subject up to date.

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