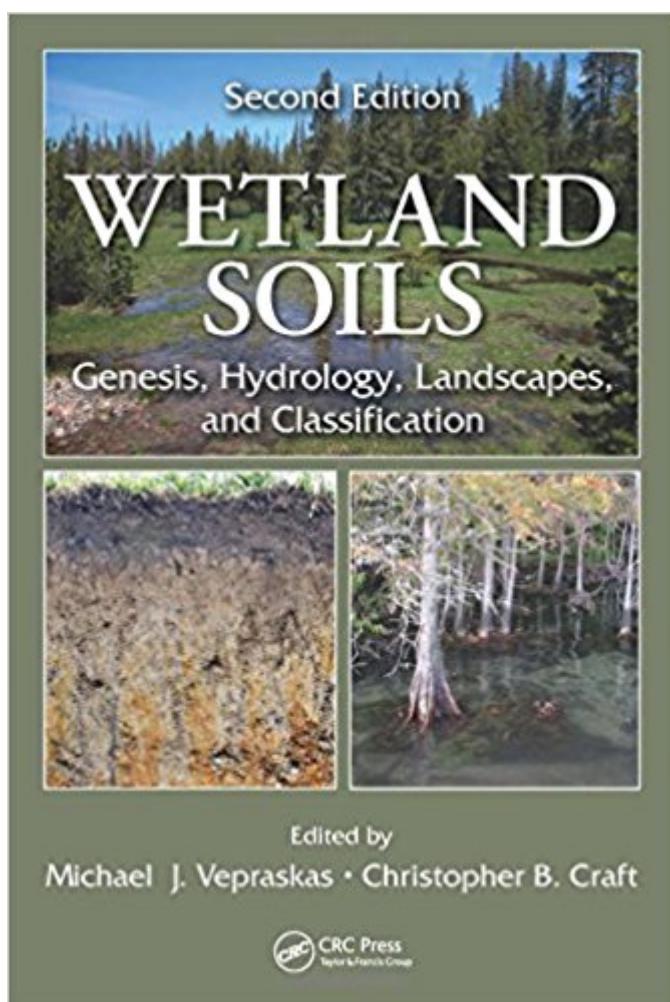


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Wetland Soils: Genesis, Hydrology, Landscapes, And Classification, Second Edition



Synopsis

A Major Revision of the Previous Edition Wetland Soils: Genesis, Hydrology, Landscapes, and Classification, Second Edition contains 11 new chapters and additional updates written by new authors with a broad range of related field and academic experience. This revised work augments the previous material on wetland functions and restorations, while maintaining the field-oriented focus of the first book. The reworked text includes current coverage of hydric soil field indicators, wetland soils, chemistry of wetland soils, and wetland hydrology. This book explains how wetland soils are formed, described, and identified, defines the functions they perform, and serves to assist decision-making in the field. A specialized book specifically geared toward environmental consultants and governmental wetland regulators, the text: Reviews general properties of wetland soils, including hydrology, redox chemistry, organic matter dynamics and biology. Provides examples of major types of wetlands across the United States Highlights USDA Hydric Soil Field Indicators, the most current and universal indicators of wetlands soils Summarizes technical standards Evaluates wetland functions, methods of assessment, and restoration techniques Wetland Soils: Genesis, Hydrology, Landscapes, and Classification, Second Edition explains how wetland soils form, are described and can be identified in the field, and is an ideal resource for professionals, students, or anyone dedicated to the understanding and conservation of wetlands.

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Customer Reviews

"This is an exceptional reference — a virtual encyclopedia on hydric soils written by the

nation's leading soil scientists offering readers a complete understanding of hydric soils, including the processes responsible for their development, their diagnostic properties, and how to delineate hydric soils in the field." Ralph Tiner, Institute for Wetland & Environmental Education & Research, Inc., University of Massachusetts, Amherst, USA "The main strength is the comprehensiveness of the book. It covers all aspects of wetland soil characteristics including chemistry, hydrology, morphology, biota, classification, identification and delineation. It is written in a way that anybody can understand and therefore it is useful to have it at hand." Jan Vymazal, Czech University of Life Sciences, Prague "An accessible, soil-centric perspective on the hydrologic, physical, chemical and biological phenomena that give rise to these enigmatic ecosystems. It stays true to the goal of providing students and practitioners with the basic science theory they need to understand wetland soils, and insights on how the science applies to practical applications." J. Patrick Megonigal, Smithsonian Environmental Research Center, Edgewater, Maryland, USA "Offers a comprehensive coverage of wetland soils with great detail provided about their physical, chemical and morphological properties while simultaneously providing a strong national level review of their landscape associations. It maintains the essential sequencing of the original version with basic fundamental and underpinning topics being covered first, followed by applications, and then field landscape distributions. It will continue to be the standard reference and textbook for both undergraduate and graduate courses and will also serve as an invaluable background resource for wetland professionals working in the field." W. Lee Daniels, Department of Crop & Soil Environmental Sciences, Virginia Tech, Blacksburg, USA

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