



Riparian Landscapes (Paperback)

By George P. Malanson

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2002. Paperback. Condition: New. Revised ed.. Language: English . Brand New Book ***** Print on Demand *****.Riparian Landscapes examines the ecological systems of streamside and floodplain areas from the perspective of landscape ecology. The specific spatial pattern of riparian vegetation is seen as a result of, and a control on, the ecological, geomorphological, and hydrological processes that operate along rivers. Riparian structures are controlled by the spatial dynamics of channels, flooding and soil moisture. These dynamics are part of integrated cascades of water, sediment, nutrients and carbon, to which animal and plant species respond in ways that illuminate community structure and competition. The role of the riparian zone in controlling species distribution and abundance is discussed. Intelligent management of these valuable ecological resources is highlighted. The potential for linking hydrological, geomorphological and ecological simulation models is also explored.



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Reviews

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