



River Restoration: Managing the Uncertainty in Restoring Physical Habitat

Stephen Darby (Editor), David Sear (Co-Editor)

E-Book	978-0-470-86707-5	August 2008	£134.99
Hardcover	978-0-470-86706-8	February 2008	£149.75
O-Book	978-0-470-86708-2	April 2008	Available on Wiley Online Library

DESCRIPTION

River restoration projects are designed to recreate functional characteristics within a context of physical stability. They tend to focus on the development and application of geomorphic principles for river restoration design. Due to different models obtaining different results on the same problem, incomplete or absent data, and climatic/social/cultural changes, the designers and managers of such projects frequently face high levels of uncertainty.

This book will provide a systematic overview of the issues involved in minimizing and coping with uncertainty in river restoration projects. A series of thematic sections will be used to define the various sources of uncertainty in restoration projects and how these show at different points in the life cycle (design, construction and post-construction phases) of restoration projects. The structure of the book will offer a rational theoretical analysis of the problem while providing practical guidance in managing the different sources of uncertainty. A wide range of case studies will be included from Europe, North America and Australasia

ABOUT THE AUTHOR

Stephen Darby is a senior lecturer in Physical Geography at the University of Southampton, UK.

David Sear is Professor in Physical Geography at the University of Southampton, UK.

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