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Nota di contenuto	River Restoration Managing the Uncertainty in Restoring Physical Habitat; Contents; Preface; List of Contributors; SECTION I: Introduction: The Nature and Significance of Uncertainty in River Restoration; 1: Uncertainty in River Restoration; 2: Sources of Uncertainty in River Restoration Research; 3: The Scope of Uncertainties in River Restoration; SECTION II: Planning and Designing Restoration Projects; 4: Planning River Restoration Projects: Social and Cultural Dimensions; 5: Conceptual and Mathematical Modelling in River Restoration: Do We Have Unreasonable Confidence? 6: Uncertainty in Riparian and Floodplain Restoration7: Hydrological and Hydraulic Aspects of River Restoration Uncertainty for Ecological Purposes; 8: Uncertainty Surrounding the Ecological Targets and Response of River and Stream Restoration; SECTION III: The Construction and Post-Construction Phases; 9: Constructing

Restoration Schemes: Uncertainty, Challenges and Opportunities; 10: Measures of Success: Uncertainty and Defining the Outcomes of River Restoration Schemes

11: Methods for Evaluating the Geomorphological Performance of Naturalized Rivers: Examples from the Chicago Metropolitan Area12:

Uncertainty and the Management of Restoration Projects: The Construction and Early Post-Construction Phases; SECTION IV:

Uncertainty and Sustainability: Restoration in the Long Term; 13: The Sustainability of Restored Rivers: Catchment-Scale Perspectives on Long Term Response; 14: Uncertainty and the Sustainable Management of Restored Rivers; Index

Sommario/riassunto

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
