1. Record Nr. UNINA990000491850403321

Autore	Mason, Samuel J.
Titolo	Electronic circuits, signals and systems / Samuel J. Mason, Henry J. Zimmermann
Pubbl/distr/stampa	New York ; London : Wiley & Sons, c1960
Descrizione fisica	616 p. : ill. ; 23 cm
Altri autori (Persone)	Zimmermann, Henry J.
Disciplina	621.381'5
Locazione	DINEL
Collocazione	10 E I 35 10 E I 68
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9911020327103321

Titolo	Stream restoration in dynamic fluvial systems : scientific approaches, analyses, and tools / / Andrew Simon, Sean J. Bennett, Janine M. Castro, editors
Pubbl/distr/stampa	Washington, DC, : American Geophysical Union, c2011
ISBN	9781118666678 1118666674 9781118672082 1118672089 9781118671788 1118671783
Descrizione fisica	1 online resource (556 p.)
Collana	Geophysical monograph ; ; 194
Altri autori (Persone)	BennettSean J. <1962-> CastroJanine M SimonAndrew <1954->
Disciplina	333.9162153
Soggetti	Fluvial geomorphology Stream restoration Geomorfologia fluvial Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Title Page; Contents; Preface; Section I: Introduction; The Evolving Science of Stream Restoration; Section II: General Approaches; Conceptualizing and Communicating Ecological River Restoration; Setting Goals in River Restoration: When and Where Can the River "Heal Itself"?; Stream Restoration Benefits; Natural Channel Design: Fundamental Concepts, Assumptions, and Methods; Geomorphological Approaches for River Management and Restoration in Italian and French Rivers; Section III: Stream Hydrology and Hydraulics Hydraulic Modeling of Large Roughness Elements With Computational Fluid Dynamics for Improved Realism in Stream Restoration PlanDesign Discharge for River Restoration; Scale-Dependent Effects of Bank

Vegetation on Channel Processes: Field Data, Computational Fluid Dynamics Modeling, and Restorat; Hyporheic Restoration in Streams and Rivers; Section IV: Habitat Essentials; Diversity of Macroinvertebrate Communities as a Reflection of Habitat Heterogeneity in a Mountain River Subjected to Variable Hu
Combining Field, Laboratory, and Three-Dimensional Numerical Modeling Approaches to Improve Our Understanding of Fish Habitat ReConnectivity and Variability: Metrics for Riverine Floodplain Backwater Rehabilitation; Quantitatively Evaluating Restoration Scenarios for Rivers With Recreational Flow Releases; Section V: Sediment Transport Issues; Sediment Source Fingerprinting (Tracing) and Sediment Budgets as Tools in Targeting River and Watershed Restoration Programs; Closing the Gap Between Watershed Modeling, Sediment Budgeting, and Stream Restoration
Mitigating Channel Incision via Sediment Input and Self-Initiated Riverbank Erosion at the Mur River, AustriaSalmon as Biogeomorphic Agents in Gravel Bed Rivers: The Effect of Fish on Sediment Mobility and Spawning Habitat; Section VI: Structural Approaches; Restoring Habitat Hydraulics With Constructed Riffles; Pool-Riffle Design Based on Geomorphological Principles for Naturalizing Straight Channels; Controlling Debris at Bridges; Seeing the Forest and the Trees: Wood in Stream Restoration in the Colorado Front Range, United States Geomorphic, Engineering, and Ecological Considerations When Using Wood in River RestorationSection VII: Model Applications; Development and Application of a Deterministic Bank Stability and Toe Erosion Model for Stream Restoration; Bank Vegetation, Bank Strength, and Application of the University of British Columbia Regime Model to Stream Restoration; Practical Considerations for Modeling Sediment Transport Dynamics in Rivers; AGU Category Index; Index

Sommario/riassunto

Published by the American Geophysical Union as part of the Geophysical Monograph Series, Volume 194.Stream Restoration in Dynamic Fluvial Systems: Scientific Approaches, Analyses, and Tools brings together leading contributors in stream restoration science to provide comprehensive consideration of process-based approaches, tools, and applications of techniques useful for the implementation of sustainable restoration strategies. Stream restoration is a catchall term for modifications to streams and adjacent riparian zones undertaken to improve geomorphic and/or ecologic funct