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Framing Contemporary River Dynamics in Their Evolutionary Context; Scales and Forms of Geomorphic Adjustment; Linkages between Abiotic and Biotic Adjustments along Rivers; Conceptualizing River Evolution and Recovery as a Basis for Management Planning and Action; Examples of River Trajectories; Place-Based Conceptual Modeling; Conclusion; Ch. 6: Ecological Function in Rivers: Insights from Crossdisciplinary Science; Interactions between Structure and Function; Interactions in Space and Time; Connectivity within Riverine Ecosystems; Examples of Crossdisciplinary Research on Ecological Function
Conclusion; Ch. 7: Principles of River Condition Assessment; Purposes of River Condition Assessments; Ecosystem Integrity as a Basis for Assessing Biophysical River Condition; Integrating Abiotic and Biotic Factors in Assessments of River Condition; What Is Natural or Expected? Defining Reference Conditions; Identifying Indicators That Provide a Reliable and Relevant Measure of the Biophysical Condition of Rivers; Considerations in the Design and Application of Integrative Frameworks for Assessing Biophysical Condition; Integrating Tools for Assessing River Condition; Conclusion; Ch. 8: Social and Biophysical Connectivity of River Systems

Sommario/riassunto

River Futures offers a positive, practical, and constructive focus that directly addresses the major challenge of a new era of river conservation and rehabilitation-that of bringing together the diverse and typically discipline-bound sets of knowledge and practices that are involved in repairing rivers. It is a valuable resource for anyone involved in river restoration and management, including restorationists, scientists, managers, and policymakers, as well as undergraduate and graduate students.