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Nota di contenuto	Title Page; Copyright; Table of Contents; List of contributors; Series Foreword; Advancing River Restoration and Management; Preface to the Second Edition; Section I: Background; Chapter 1: Tools in fluvial geomorphology: problem statement and recent practice; 1.1 Introduction; 1.2 Tools and fluvial geomorphology: the terms; 1.3 What is a tool in fluvial geomorphology?; 1.4 Overview and trends of tools used in the field; 1.5 Scope and organization of this book; Acknowledgements; References; Section II: The Temporal Framework: Dating and Assessing Geomorphological Trends Chapter 2: Surficial geological tools in fluvial geomorphology2.1 Introduction; 2.2 Overview of surficial geological approaches; 2.3 Applications of surficial geological approaches to geomorphic interpretation; 2.4 Summary and conclusions; References; Chapter 3: Archaeology and human artefacts; 3.1 Introduction; 3.2 General considerations in using archaeological evidence in geomorphology; 3.3 Archaeological tools; 3.4 Legacy sediment; 3.5 Using archaeological

data: case studies; 3.6 Conclusions; References; Chapter 4: Using historical data in fluvial geomorphology; 4.1 Introduction 4.2 The documentary record4.3 The cartographic record; 4.4 The topographic record; 4.5 The modern historical record: remote-sensing; 4.6 Conclusion; Acknowledgements; References; Section III: The Spatial Framework: Emphasizing Spatial Structure and Nested Character of Fluvial Forms; Chapter 5: System approaches in fluvial geomorphology; 5.1 System, fluvial system, hydrosystem; 5.2 Components of the fluvial system; 5.3 Fluvial system, a conceptual tool for geomorphologists; 5.4 Examples of applications; 5.5 Conclusions; Acknowledgements; References Chapter 6: Analysis of remotely sensed data for fluvial geomorphology and river science6.1 Introduction; 6.2 The physical basis; 6.3 River geomorphology and in-channel processes; 6.4 Floodplain geomorphology and fluvial processes; 6.5 Conclusions; Acknowledgements; References; Chapter 7: Geomorphic classification of rivers and streams; 7.1 Introduction; 7.2 Classifications for fluvial understanding; 7.3 Interactions between geomorphic classifications and ecology; 7.4 Geomorphic classification and quality of river environments; 7.5 Applying geomorphic classification schemes to fluvial systems AcknowledgementsReferences; Chapter 8: Modelling catchment processes; 8.1 Introduction; 8.2 Approaches to catchment processes modelling; 8.3 Conceptual models; 8.4 Problem-centred interpretative models; 8.5 Data-driven empirical models; 8.6 Numerical models; 8.7 Tools for developing a catchment process model: representation and accuracy considerations; 8.8 Prospect; Acknowledgements; References; Section IV: Chemical, Physical and Biological Evidence: Dating, Emphasizing Spatial Structure and Fluvial Processes Chapter 9: Using environmental radionuclides, mineral magnetism and sediment geochemistry for tracing and dating fine fluvial sediments
