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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Aquifer Characterization and Properties -- Facies Analysis and Sequence Stratigraphy -- Siliciclastic Aquifers Facies Models -- Carbonate Facies Models and Diagenesis -- Aquifer Characterization Program Development -- Borehole Drilling and Well Construction -- Aquifer Pumping Tests -- Slug, Packer, and Pressure Transient Testing -- Small-Volume Petrophysical, Hydraulic and Lithological Methods -- Borehole Geophysical Techniques.
Sommario/riassunto	This book presents an overview of techniques that are available to characterize sedimentary aquifers. Groundwater flow and solute transport are strongly affected by aquifer heterogeneity. Improved aquifer characterization can allow for a better conceptual understanding of aquifer systems, which can lead to more accurate groundwater models and successful water management solutions, such as contaminant remediation and managed aquifer recharge systems. This book has an applied perspective in that it considers the practicality

of techniques for actual groundwater management and development projects in terms of costs, technical resources and expertise required, and investigation time. A discussion of the geological causes, types, and scales of aquifer heterogeneity is first provided. Aquifer characterization methods are then discussed, followed by chapters on data upscaling, groundwater modelling, and geostatistics. This book is a must for every practitioner, graduate student, or researcher dealing with aquifer characterization.
