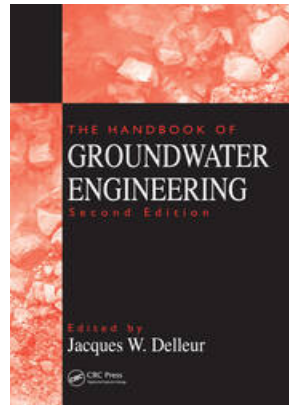




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Chapter



Groundwater Flow in Karstic Aquifers

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Edition	2nd Edition
First Published	2006
Imprint	CRC Press
Pages	48
eBook ISBN	9780429122095

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ABSTRACT

Karstic aquifers are those that contain dissolution-generated conduits that transport groundwater, often localized, fast-moving and in a turbulent regime. The ability of the conduit system to transport a sediment load, sometimes with associated contaminants, is an additional feature. Such aquifers are found mainly in limestone, dolomite and gypsum as the commonly occurring soluble rocks. In most aquifers there is a mismatch of many orders of magnitude between groundwater flow rates in the aquifer and stream flow rates on the land surface above. In karstic aquifers there is a continuum of flow rates such that the groundwater system in karstic aquifers takes on the characteristics of both surface water and groundwater. Further, because of the presence of sinking streams and large

springs, there is a complex interplay between surface water and groundwater.

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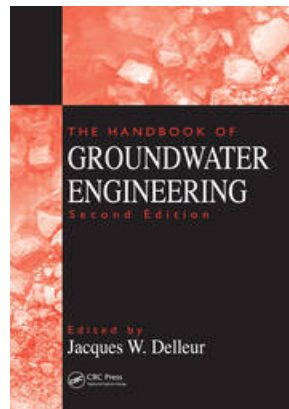
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Book



The Handbook of Groundwater Engineering

Edited By Jacques W. Delleur (</search?contributorName=Jacques W. Delleur&contributorRole=editor&redirectFromPDP=true&context=ubx>)

Edition	2nd Edition
First Published	2006
eBook Published	15 November 2006
Pub. Location	Boca Raton
Imprint	CRC Press
DOI	https://doi.org/10.1201/9781420006001 (https://doi.org/10.1201/9781420006001)
Pages	1320
eBook ISBN	9780429122095
Subjects	Earth Sciences, Engineering & Technology



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ABSTRACT

A complete treatment of the theory and practice of groundwater engineering, **The Handbook of Groundwater Engineering, Second Edition** provides a current and detailed review of how to model the flow of water and the transport of contaminants both in the unsaturated and saturated zones, covers the production of groundwater and the remediation of

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