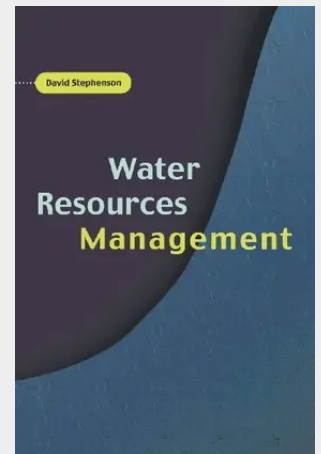


Water Resources Management

The world's water resources are being tapped at an ever increasing rate, to the extent that sustainability and water quality are being compromised. This book provides accounts of the technology used for managing water resources to reduce risks. Besides controlling floods, overcoming droughts and reducing pollution, the reader will learn to plan and maintain hydraulic structures, and to appreciate the diverse demands on water, including those of the environment. The topics considered include hydrology and assessment of water resources; drought management and flood management tools; and the interaction between land use and water resources, including surface runoff, groundwater and water quality. The second half of the book focuses on water use, demand management and the infrastructure required to manage water. Consideration is also given to the tools needed for planning, including economics and computer modelling. This book is aimed at a postgraduate level, suitable for students in water engineering and science. It will also serve as a reference for practitioners concerned with water resources and water supply.

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