**DESCRIPTION**

Proper management of water resources can take many forms, and requires the knowledge and expertise to work at the intersection of mathematics, geology, biology, geography, meteorology, political science, and even psychology. This book provides an essential foundation in water management and development concepts and practices, dissecting complex topics into short, understandable explanations that spark true interest in the field. Approaching the study of water resources systematically, the discussion begins with historical perspective before moving on to physical processes, engineering, water chemistry, government regulation, environmental issues, global conflict, and more.

Now in its fourth edition, this text provides the most current introduction to a field that is becoming ever more critical as climate change begins to threaten water supplies around the world. As geography, climate, population growth, and technology collide, effective resource management must include a comprehensive understanding of how these forces intermingle and come to life in the water so critical to us all.

**ABOUT THE AUTHOR**

Thomas V. Cech has been intimately involved in water resources for over 20 years at the local, state, and national levels. He has developed extensive programs and helped shape water policy in the areas of water quality, water rights, endangered species,
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