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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction to Hydrology -- Open Channel Hydraulics: From Then to Now and Beyond -- River Ecology -- River Restoration -- Sediment Management and Sustainable use of Reservoirs -- Sediment Transport, River Morphology, and Hydraulic Engineering -- Gis and Remote Sensing Applications in Modern Water Resources -- Decision Making Under Uncertainty: A New Paradigm for Water Resources Planning and Management -- Upland Erosion Modeling -- Advances in Water Resources Systems Engineering: Applications of Machine Learning -- Climate Change and its Impact on Water Resources -- Engineering and Management of Agricultural Land Application -- Wetlands for Wastewater Treatment and Water Reuse -- Living Machines for Bioremediation, Wastewater Treatment and Water Conservation -- Aquaculture System Management and Water Conservation -- Glossary and Conversion Factors for Water Resources Engineers.

The Handbook of Environmental Engineering series is an incredible collection of methodologies that study the effects of pollution and waste in their three basic forms: gas, solid, and liquid. This exciting new addition to the series, Volume 15: Modern Water Resources Engineering, has been designed to serve as a water resources engineering reference book as well as a supplemental textbook. We hope and expect it will prove of equal high value to advanced undergraduate and graduate students, to designers of water resources systems, and to scientists and researchers. A critical volume in the Handbook of Environmental Engineering series, chapters employ methods of practical design and calculation illustrated by numerical examples, include pertinent cost data whenever possible, and explore in great detail the fundamental principles of the field. Volume 15: Modern Water Resources Engineering, provides information on some of the most innovative and ground-breaking advances in the field today from a panel of esteemed experts. .

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