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Descrizione fisica	1 online resource (424 p.)
Disciplina	627.4
Soggetti	Flood control
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A Balkema book.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover; Preface to the Fourth Edition; Preface to the First Edition; Contents; 1. FLOOD PROBLEMS; 2. ESTIMATION OF DESIGN FLOOD; 3. FLOOD ROUTING THROUGH RESERVOIRS AND CHANNELS; 4. DESIGN OF SPILLWAYS; 5. FLOOD MITIGATION THROUGH PLANNING OF RESERVOIR CAPACITIES AND OPERATION OF RESERVOIRS; 6. FLOOD MITIGATION THROUGH RIVER PROTECTION AND IMPROVEMENT WORKS; 7. FLOOD FORECASTING, WARNING AND FLOOD FIGHTING; 8. ECONOMICS OF FLOOD CONTROL, PROJECT; 9. DESIGN OF SUBSURFACE DRAINAGE SYSTEM; 10. DESIGN OF SURFACE DRAINAGE SYSTEM; 11. WATER-LOGGING AND SALINITY 12. APPLICATION OF REMOTE SENSING TECHNOLOGY FOR FLOOD CONTROL 13. FLOOD PLAIN DELINEATION AND FLOOD HAZARD ASSESSMENT; 14. FLOOD DAMAGE MANAGEMENT-Tsunamis and Storm Surges; 15. FLOODING DUE TO COLLAPSE OF DAMS-Breaching of Flood Levees and Urban Coastal Areas; SELECTED REFERENCES; SUGGESTED READINGS
Sommario/riassunto	Primarily written as course material on flood control and drainage engineering for advanced students of civil engineering, this new fourth edition is again thoroughly revised. It accommodates recent developments in remote sensing, information technology and GIS technology. New added material deals with flood management due to

Tsunami waves, flooding due to dam failure and breaking of embankments, application of dredging technologies, problems of flood forecasting, flood plain prioritization and flood hazard zoning, and engineering measures for flood control. Drainage improvement is tackled,

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