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Nota di contenuto	Introduction Hydrodynamics Sediment transport Pathogens and toxins Water quality and eutrophication External sources and TMDL Mathematical modeling and statistical analyses Rivers Lakes and reservoirs Estuaries and costal waters Appendix: A. Environmental fluid dynamics code B. Conversion factors C. Contents of electronic files
Sommario/riassunto	This reference gets you up to speed on mathematical modeling for environmental and water resources management. With a practical, application-oriented approach, it discusses hydrodynamics, sediment processes, toxic fate and transport, and water quality and eutrophication in rivers, lakes, estuaries, and coastal waters. A companion CD-ROM includes a modeling package and electronic files of numerical models, case studies, and model results. This is a core reference for water quality professionals and an excellent text for graduate students.