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Altri autori (Persone)	ShawElizabeth M
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Nota di contenuto	Chapter 1 The hydrological cycle and hydrometeorology; Chapter 2 Hydrometric networks; Chapter 3 Precipitation; Chapter 4 Evaporation; Chapter 5 Hillslope and aquifer hydraulic parameters; Chapter 6 Hillslope moisture states and flows; Chapter 7 River flow; Chapter 8 Water-quality measurement; Chapter 9 Precipitation analysis; Chapter 10 Energy budget analysis, evapotranspiration and snowmelt; Chapter 11 River flow analysis; Chapter 12 Catchment modelling; Chapter 13 Estimating floods and low flows in the UK; Chapter 14 Flood routing; Chapter 15 Groundwater; Chapter 16 Flood risk management; Chapter 17 Water resources management; Chapter 18 Urban hydrology; Chapter 19 Hydrology, climate and catchment change; Chapter 20 The future of hydrology in practice; Appendix: useful tables; Index.
Sommario/riassunto	Hydrology in Practice is an excellent and very successful introductory text for engineering hydrology students who go on to be practitioners in consultancies, the Environment Agency, and elsewhere. This fourth edition of Hydrology in Practice, while retaining all that is excellent about its predecessor, by Elizabeth M. Shaw, replaces the material on the Flood Studies Report with an equivalent section on the methods of the Flood Estimation Handbook and its revisions. Other completely

revised sections on instrumentation and modelling reflect the many changes that have occurred over recent years. The updated text has taken advantage of the extensive practical experience of the staff of JBA Consulting who use the methods described on a day-to-day basis. Topical case studies further enhance the text and the way in which students at undergraduate and MSc level can relate to it. The fourth edition will also have a wider appeal outside the UK by including new material on hydrological processes, which also relate to courses in geography and environmental science departments. In this respect the book draws on the expertise of Keith J. Beven and Nick A. Chappell, who have extensive experience of field hydrological studies in a variety of different environments, and have taught undergraduate hydrology courses for many years. Second- and final-year undergraduate (and MSc) students of hydrology in engineering, environmental science, and geography departments across the globe, as well as professionals in environmental protection agencies and consultancies, will find this book invaluable. It is likely to be the course text for every undergraduate/MSc hydrology course in the UK and in many cases overseas too.