



## Stream Hydrology: An Introduction for Ecologists (Hardback)

By Nancy D. Gordon, Thomas A. McMahon, Brian L. Finlayson

John Wiley and Sons Ltd, United Kingdom, 2004. Hardback. Book Condition: New. 2nd Revised edition. 249 x 188 mm. Language: English . Brand New Book. Since the publication of the first edition (1994) there have been rapid developments in the application of hydrology, geomorphology and ecology to stream management. In particular, growth has occurred in the areas of stream rehabilitation and the evaluation of environmental flow needs. The concept of stream health has been adopted as a way of assessing stream resources and setting management goals. Stream Hydrology: An Introduction for Ecologists, Second Edition documents recent research and practice in these areas. Chapters provide information on sampling, field techniques, stream analysis, the hydrodynamics of moving water, channel form, sediment transport and commonly used statistical methods such as flow duration and flood frequency analysis. Methods are presented from engineering hydrology, fluvial geomorphology and hydraulics with examples of their biological implications. This book demonstrates how these fields are linked and utilised in modern, scientific river management. It places emphasis on applications, from collecting and analysing field measurements to using data and tools in stream management. It is updated to include new sections on environmental flows, rehabilitation, measuring stream health and stream classification. It...



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