



Ecohydraulics: An Integrated Approach (Hardback)

By Ian Maddock, Paul J. Wood, Atle Harby

John Wiley and Sons Ltd, United States, 2013. Hardback. Book Condition: New. 1. Auflage. 248 x 186 mm. Language: English . Brand New Book. Ecohydraulics: An Integrated Approach provides a research level text which highlights recent developments of this emerging and expanding field. With a focus on interdisciplinary research the text examines:- * the evolution and scope of ecohydraulics * interactions between hydraulics, hydrology, fluvial geomorphology and aquatic ecology * the application of habitat modelling in ecohydraulic studies * state of the art methodological developments and approaches * detailed case studies including fish passage design and the management of environmental flow regimes * research needs and the future of ecohydraulics research The contributions offer broad geographic coverage to encapsulate the wide range of approaches, case studies and methods used to conduct ecohydraulics research. The book considers a range of spatial and temporal scales of relevance and aquatic organisms ranging from algae and macrophytes to macroinvertebrates and fish. River management and restoration are also considered in detail, making this volume of direct relevance to those concerned with cutting edge research and its application for water resource management. Aimed at academics and postgraduate researchers in departments of physical geography, earth sciences, environmental science,...



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