



Practical Channel Hydraulics: Roughness, Conveyance, and Afflux (Hardback)

By Donald W. Knight, Caroline McGahey, Rob Lamb

Taylor Francis Ltd, United Kingdom, 2009. Hardback. Book Condition: New. 246 x 178 mm. Language: English . Brand New Book. A technical reference guide and instruction text for the estimation of flood and drainage water levels in rivers, waterways and drainage channels. It is written as a user's manual for the openly available innovative Conveyance and Afflux Estimation System (CES-AES) software, with which water levels, flows and velocities in channels can be calculated. The impact of factors influencing these levels and the sensitivity of channels to extreme levels can also be assessed. Approaches and solutions are focused on addressing environmental, flood risk and land drainage objectives. Practical Channel Hydraulics is the first reference guide that focuses in detail on estimating roughness, conveyance and afflux in fluvial hydraulics. With its universal approach and the application of metric units, both book and software serve an international audience of consultants and engineers dealing with river modelling, flood risk assessment, maintenance of watercourses and the design of drainage systems. Suited as course material for training graduate Master's students in civil and environmental engineering or geomorphology who focus on river and flood engineering, as well as for professional training in flood risk management...

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