

# **HYDROLOGY AND HYDROCHEMISTRY OF BRITISH WETLANDS**

Edited by JOCELYNE HUGHES, University of Reading, UK and  
LOUISE HEATHWAITE, University of Sheffield, UK

A collection of reviews and case studies dealing with British freshwater wetlands and their hydrological, hydrochemical and consequent ecological processes has been brought together in this volume. During the last decade, wetlands have received increasing attention from conservationists and politicians because of their vital hydrological, ecological and economic values. An understanding of the hydrological and hydrochemical processes operating in different wetland types can greatly assist managers to maintain and utilise the wetland resource, while sustaining these fragile environments.

Divided into three sections, the hydrological section takes in a wide range of wetland types from groundwater-fed wetlands to acid mires, and explains how hydrological processes have been modelled and investigated for different wetlands. The hydrochemical papers concentrate on the dynamics of nutrients, which is an area of topical interest with important implications for the management of river water quality, for the use of artificial wetlands and of the restoration of disturbed wetlands. The final section looks at examples of the management and rehabilitation of wetlands in Britain, and demonstrates the importance of understanding the hydrological and hydrochemical processes to achieve these ends.

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