1. Record Nr. UNINA9910446351503321

Titolo	Ecohydrology : processes, models and case studies : an approach to the sustainable management of water resources / / edited by David Harper, Maciej Zalewski and Nic Pacini
Pubbl/distr/stampa	Wallingford, UK ; ; Cambridge, MA, : CABI Pub., c2008
ISBN	1-281-86295-9 9786611862954 1-84593-370-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (401 p.)
Altri autori (Persone)	HarperDavid M ZalewskiMaciej <1950-> PaciniNic
Disciplina	551.48
Soggetti	Ecohydrology Water-supply - Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 319-381) and index.
Nota di contenuto	Contents; Contributors; Preface; 1. Linking Biological and Physical Processes at the River Basin Scale: the Origins, Scientific Background and Scope of Ecohydrology; 2. Patterns and Processes in the Catchment; 3. Nutrient Processes and Consequences; 4. Lotic Vegetation Processes; 5. Processes Influencing Aquatic Fauna; 6. Ecohydrological Modelling for Managing Scarce Water Resources in a Groundwater-dominated Temperate System; 7. The Benefits and Risks of Ecohydrological Models to Water Resource Management Decisions; 8. Nutrient Budget Modelling for Lake and River Basin Restoration 9. Ecohydrology Driving a Tropical Savannah Ecosystem10. The Mid-European Agricultural Landscape: Catchment-scale Links between Hydrology and Ecology in Mosaic Lakeland Regions; 11. The Ecohydrological Approach as a Tool for Managing Water Quality in Large South American Rivers; 12. Ecohydrological Analysis of Tropical River Basin Development Schemes in Africa; 13. Ecohydrological Management of Impounded Large Rivers in the Former Soviet Union; 14. Palaeohydrology: the Past as a Basis for Understanding the Present

and Predicting the Future

15. Ecohydrology: Understanding the Present as a Perspective on the Future - Global ChangeReferences; Index

Sommario/riassunto

Ecohydrology is a sub-discipline which links elements of ecology with hydrology at various points in the water cycle. This book focuses on larger scales of ecohydrology, emphasising the use of this tool in striving towards the goal of sustainable water management.