



Paperback Re-issue

Aquatic ecosystems can be adversely affected by human activities such as intensification of agricultural activity, or erosion and sedimentation due to irrigation projects, or groundwater pollution and eutrophication, and so on. Interfaces, or ecotones, between terrestrial and aquatic ecosystems have an essential role in the movement of water and materials throughout the landscape. Ecotones are zones where ecological processes are more intense and resources more diversified. They are also zones which react quickly to human influences and changes of environmental variables.

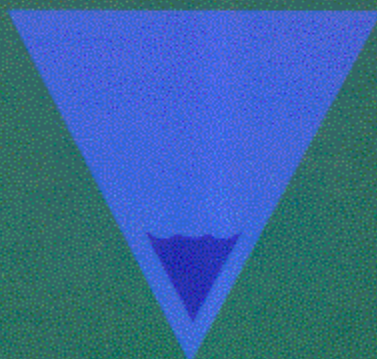
This volume is derived from an international conference of the Ecotone project, established under the dual responsibility of the UNESCO International Hydrological Programme and the Man and Biosphere Programme, and summarizes the results of the subnetwork activities devoted to the study of groundwater/surface water interactions. The contributors were carefully selected on their international scientific reputation to represent the multidisciplinary viewpoints of hydrologists, biologists, and ecologists. Topics covered include interrelationships between surface water and groundwater in riparian forests, wetlands, areas surrounding lakes, and alluvial flood plains.

This book defines strategies for the integration of data obtained by different disciplines in order to provide a scientific basis for the sound ecological management of water resources leading to sustainable development of the environment. It addresses areas of active research in hydrology and biology, and is therefore aimed towards researchers, water resource project managers, and policy makers.

INTERNATIONAL HYDROLOGY SERIES

The International Hydrology Series is a collaborative publishing programme between the International Hydrological Programme, UNESCO, and Cambridge University Press. The IHP addresses theoretical issues in the conduct of hydrological research, as well as practical, applied, and water management issues raised by hydrological projects. Authoritative and international in scope, the series constitutes a major collection of research monographs, synthesis volumes, and graduate texts.

Cover design by Marcus Askwith



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UNIVERSITY PRESS
www.cambridge.org

ISBN 978-0-521-11282-6



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