

PROCEEDINGS

# World Water Assessment Programme Sri Lanka Case Study *Ruhuna Basins*

Proceedings of a Workshop held at Koggala Beach Hotel, Sri Lanka  
7-9 April 2002

K. A. U. S. Imbulana, Peter Droogers and Ian W. Makin, editors



IWMI  
333.91  
G744  
IMB

H 31108



**IWMI**  
International  
Water Management  
Institute

FUTURE  
HARVEST  
IWMI is a Future Harvest Center  
supported by the CGIAR

[Click here to download the full document.](#)

## Table of Contents

Introduction .....	1
Surface Water Resources of Ruhunu Basins H. M. Jayatillake .....	3
Use of Water for Protecting Ecosystems J. Handawela .....	23
Indices and Indicators for Measuring Groundwater Condition and Vulnerability with Respect to Quantity and Quality in the Ruhuna Basin Dushyantha S. Jayawardena .....	43
Review of Data on Soils and Geology in the Basin Area and their Relevance to Groundwater in the Area C. R. Panabokke .....	61
Meeting Basic Needs: Domestic Water Supply M. Wickramage .....	85
Health, Water and Sanitation C. K. Shanmugarajah .....	95
Securing the Food Supply and Food Security of the Ruhuna Basin K. D. N. Weerasinghe, Ananda Jayasinghe and A. M. H. Abeysinghe .....	107
Water for Energy H. S. Somatilake .....	127
Water for Industry Sunidha Senaratne .....	143
Governing Water Ranjith Ratnayake .....	163
Managing Risks in Ruhunu Basins, Sri Lanka – Droughts H. M. Jayatillake, G. H. P. Dharmaratne and P. C. Senaratne .....	177
Relevance of Cultural Knowledge and Practices for Efficient Water Management in Today's Context (Benchmark conditions in Ruhuna River basins in Sri Lanka) K. Jinapala and P. G. Somaratne .....	187
Economic Valuing of Water Nihal K. Atapattu .....	199
Gender Gaps, Governance Gaps – A View of Sri Lankan Water Management Kusum Athukorala .....	215
Water for Basic Needs, Water Supply and Water Quality Sunidha Senaratne .....	233
Detailed Programme .....	281
List of Participants .....	283