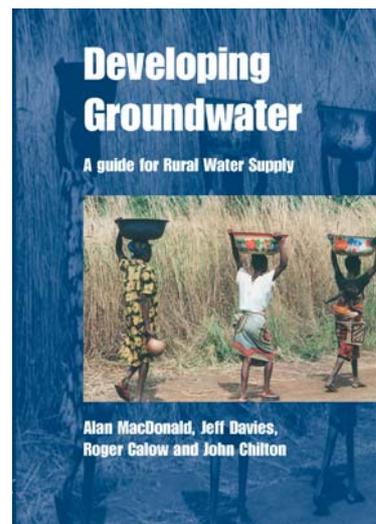


Developing Groundwater: a Guide for Rural Water Supply

*Alan MacDonald, Jeff Davies,
Roger Calow & John Chilton*

- First user-friendly guide to this key topic for rural water supply engineers and technicians
- Explains technical issues in the context of community management
- Fully illustrated, including 16 page colour section



Description

In many rural areas, groundwater is the only feasible way of providing safe, reliable water supplies. However, developing groundwater is not always straightforward. To meet the targets set out in the Millennium Development Goals, more attention needs to be paid to finding and developing groundwater in a sustainable, cost-effective and participatory manner.

Developing Groundwater provides a user-friendly guide to this key topic, bringing together for the first time the wide range of techniques required to develop groundwater for community water supplies. This practical manual gives information on effective

techniques for siting wells and boreholes, assessing the sustainability of sources, constructing and testing the yield of boreholes and wells, and monitoring groundwater quality. The authors set the technical aspects of rural water supply firmly in their socio-economic context, so that readers can take proper account of community concerns as well as purely engineering questions.

Much of the work on which the book is based was funded by DFID.

Packed with helpful illustrations this book is indispensable for all rural water supply project staff in developing countries.

About the Authors

Alan MacDonald, Jeff Davies and **John Chilton** are hydrogeologists at the British Geological Survey with more than 75 years' experience amongst them. They have worked extensively in Africa Asia and the Pacific in partnership with government departments, NGOs, research institutes and rural communities. Much of their work is focussed on the practical issues of developing groundwater resources for rural water supply.

Roger Calow is a water resources economist and policy specialist with the British Geological Survey, and has worked extensively in Africa, Asia and the Middle East on rural water supply and management projects.

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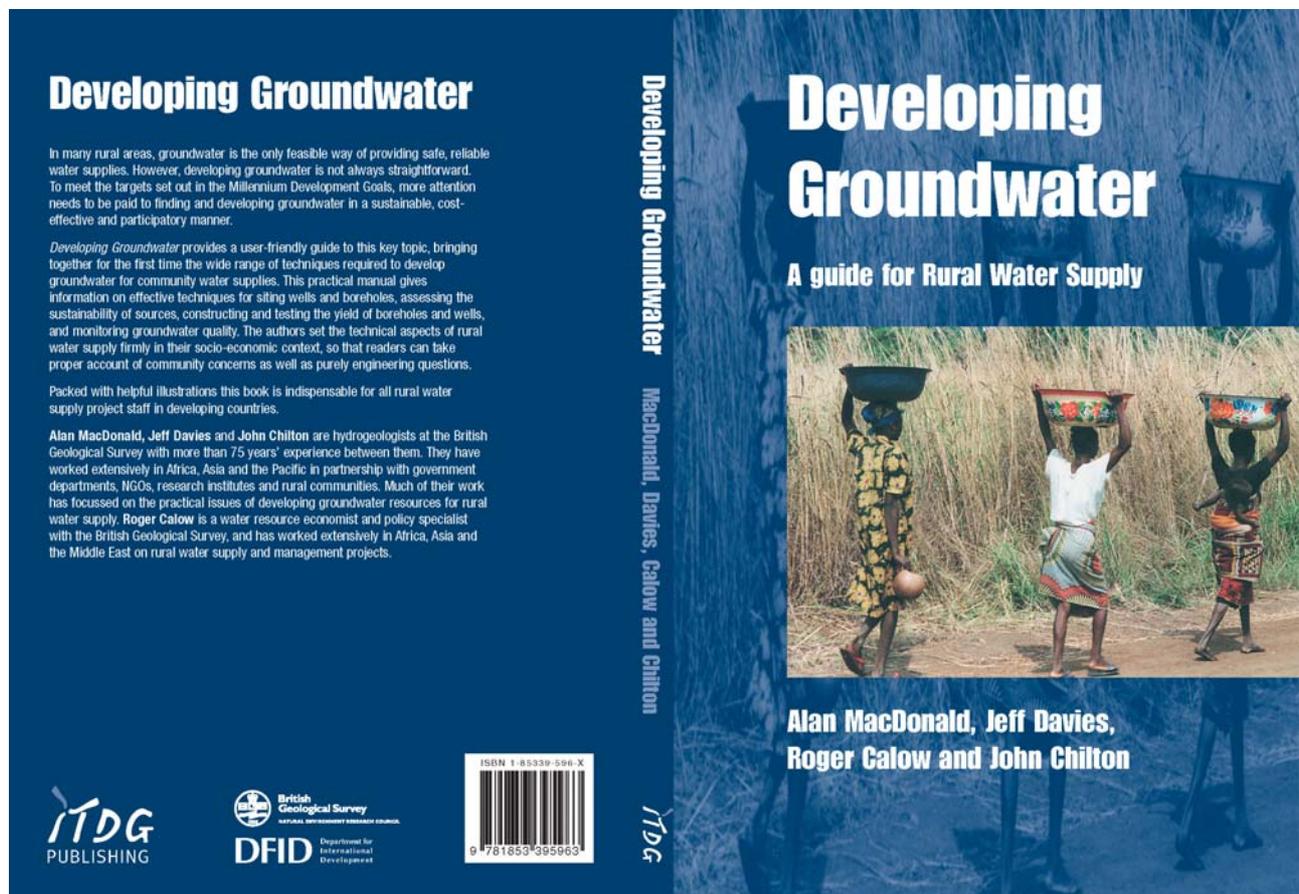
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3. Projects and communities
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