# Practical Manual of Groundwater Microbiology, Second Edition (Sustainable Water Well)

*D. Roy Cullimore*
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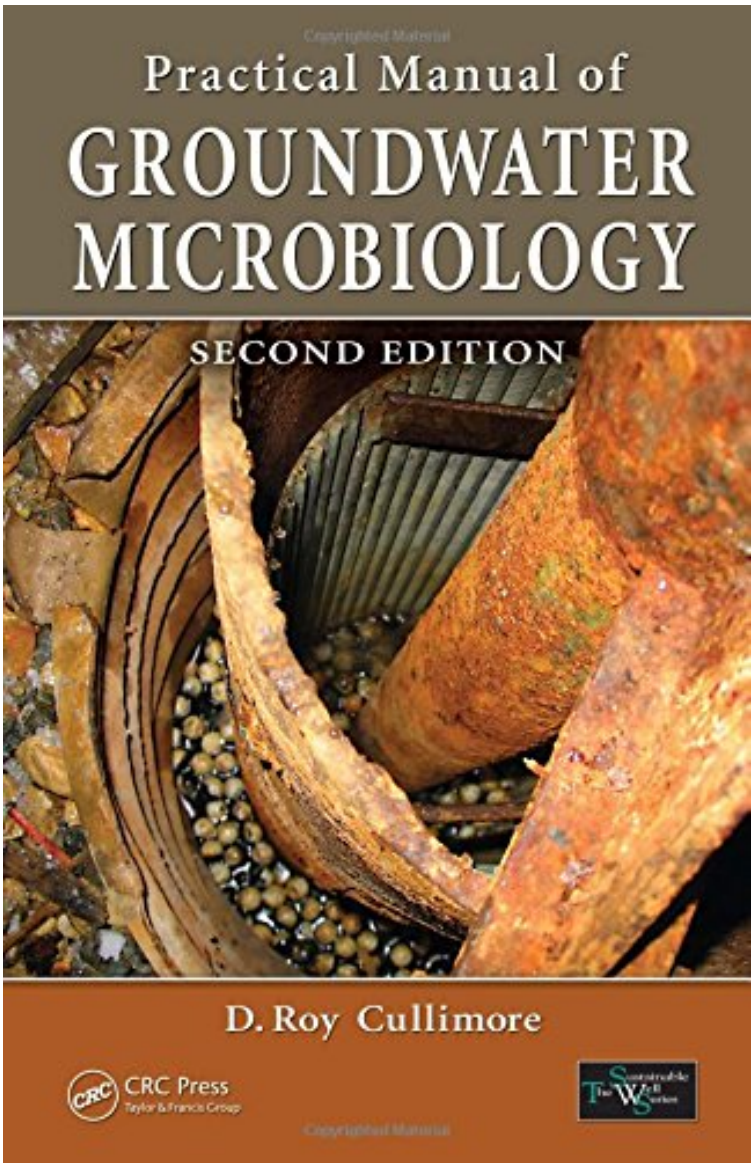




#3387980 in Books CRC Press 2007-12-17Original language:EnglishPDF # 1 9.21 x 1.00 x 6.62l, 1.53 #File Name: 0849385318400 pages | File size: 29.Mb

**D. Roy Cullimore : Practical Manual of Groundwater Microbiology, Second Edition (Sustainable Water Well)** before purchasing it in order to gage whether or not it would be worth my time, and all praised Practical Manual of Groundwater Microbiology, Second Edition (Sustainable Water Well):

0 of 1 people found the following review helpful. Great practical manual, though it's not exhaustive.By BenIt is slightly oversimplified, lacking in some technical details that would make it slightly more useful. As an example, I would have appreciated more elaborate explanation of what acids to use (and when) for treating a fouled well. I could have also used a lot more detail in the "symptoms of failure, early warnings, and eventual catastrophe", particularly for evaluating data that has already been gathered for a site. The latter example is covered more thoroughly in other groundwater books (Driscoll is a great reference manual for those in the field). There really aren't very many books that cover practical diagnostics and recovery for biofouling of wells though, and Cullimore definitely conveys a lot of useful information for professionals who need to manage these problems efficiently in the field. Overall, I'd say it's a great practical manual, but for a thorough understanding you really need to supplement it with other reference books.0 of 0 people found the following review helpful. Great bookBy The killerThe other reviews must be by people that have no experience with water wells. The book is very informative and with well knowledge you can fill in the missing parts. This is not a book for people with no knowledge of wells. This book is to help further you education on wells and ground water0 of 1 people found the following review helpful. I didn't like this ManualBy Guy F. BogarI wouldn't say that I hated the book (a one star designation) but it is poorly written, repetitive, has many grammatical and/or typographical errors and is lacking in substance. In addition, the graphics are very generalized and many are self evident (for example: showing biomass near a well and growing larger with time). I admit that I haven't read the book cover to cover but it hasn't answered many questions as yet. This is all somewhat surprising given that the book is apparently a second edition.

Although microorganisms can be found virtually anywhere on our planet, from clouds to soils to oceans, they are often poorly understood when examining issues related to groundwater and water wells. Focusing on the impact of microorganisms on groundwater and water wells, Practical Manual of Groundwater Microbiology, Second Edition presents over 75% new material to offer a comprehensive, up-to-date guide on the subject. The first eight chapters provide an overview of microbiology and its importance in groundwaters, exploring natural filters that develop around wells, various bacteria, molds, viruses, sampling procedures, biofouling, biofilms, sequestration strategies, rehabilitation/regeneration practices, and flooding risks. The book also contains a chapter that functions as a self-contained guide, with 79 descriptive illustrations of important concepts integral to the understanding of microbes in groundwater. Numerous appendices, some new to this edition, supply detailed information on more specialized topics, such as microbiological test methods, water sample protocols, regulatory considerations concerning the use of phosphorus in wells, and the application of vegetable oil to lubricate pumps. Chronicling the significant progress made in the field since the publication of its predecessor, this edition provides practical approaches for evaluating the effects of microorganisms and their activities on groundwater and water wells.

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