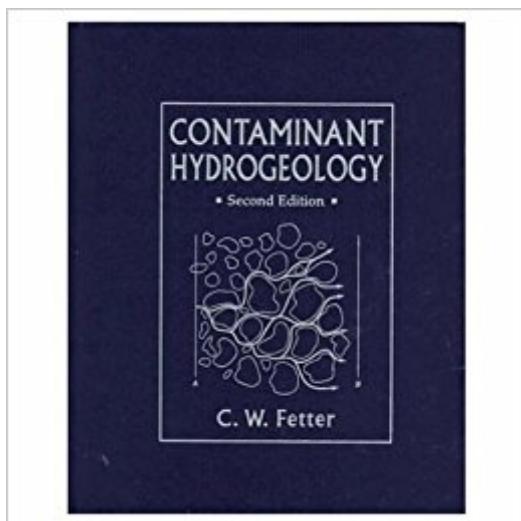


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# Contaminant Hydrogeology (2nd Edition)



## **Synopsis**

Presents the theoretical background as well as the practical application of the latest technology for the investigation and remediation of contaminated soil and groundwater. Coverage of micropurging of wells prior to sampling; obtaining a ground water sample without a monitoring well; fingerprinting petroleum contamination in soil; soil and groundwater contamination from coal tar and related compounds; and contains a number of case histories

## **Book Information**

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## **Customer Reviews**

Titles of related interest from Waveland Press: Chapra, Surface Water-Quality Modeling (ISBN 9781577666059); Charbeneau, Groundwater Hydraulics and Pollutant Transport (ISBN 9781577664796); Dingman, Physical Hydrology, Second Edition (ISBN 9781577665618); and Gupta, Hydrology and Hydraulic Systems, Third Edition (ISBN 9781577664550). --This text refers to an alternate Hardcover edition.

Presents the theoretical background as well as the practical application of the latest technology for the investigation and remediation of contaminated soil and groundwater. Coverage of micropurging of wells prior to sampling; obtaining a ground water sample without a monitoring well; fingerprinting petroleum contamination in soil; soil and groundwater contamination from coal tar and related compounds; and contains a number of case histories showing the practical applications of the

theory. A valuable reference for the working professional.

I bought this as a "required" text for a groundwater hydrogeology (contaminant transport) class. The class is highly dependent on partial differential equations, incomplete integrations, Bessel functions, leaky aquifer functions, etc. It's VERY numerical in nature and it involves a LOT of higher level calculus and differential equations. Tons of mathematical derivations of different formulas to describe contaminant activity in groundwater. And I haven't done any calculus in 13 years so my math skills are a little bit rusty. It turns out that this book is only full of basic overviews of various topics related to groundwater contamination. It does cover a wide range of topics, from drawdown definitions to site remediation strategies. But it does not give ANY specific mathematical treatments for any of it. There are no equations. It does not define any algebraic variables. There are no mathematical examples to walk a student through the process of actually solving the problems that the book describes. So it is the exact opposite of what I was hoping for; all of the info in this book, I already know from other classes that I took last year, so now I sort of wish I hadn't wasted my money on it. As an OVERVIEW text, it is actually pretty good though. So if you are NEW to groundwater theory and you want a TOPICAL explanation of things, rather than a mathematical work-through, then this is a good choice. If you want a text to show you some equations to work through problems yourself... look elsewhere.

The CD that's supposed to come with the book was not included.

This is definitely a must have for those with a career in contaminant subsurface hydrology. Check out chapter 3 (transformation, retardation, attenuation of solutes), chapter 8 (groundwater and soil monitoring) and chapter 9 (site remediation). Easy to read - great reference material

This book is so unclear. It has a terrible index which made it really difficult to refer to a section you needed

This is an amazing book! I like it. It contains so many topics about the groundwater and expresses in a very easy way! Environmental engineers should have it!

Great book to have on your desk for groundwater problems. I got it to supplement some stuff in grad school and I still use it at work.

Very helpful book

This book is helpful for a student in hydrogeological field, and it takes 20 days to reach me from U.S. to Beijing, China.

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