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rogeology

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Internationa

I Edition

**Students are
exposed to
hydrology for the**

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Edition

first time primarily through this course, and students taking the course have not had an opportunity to be exposed to hydrologic jargon before. And, in most cases this course may be the only course the students may have in hydrology in their undergraduate

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Hydrogeology

Pearson, New

hydrology course

must be at an

elementary level,

present basic

concepts of

hydrology, and

develop a flavor for

application of

hydrology to the

solution of a range

of environmental

problems. It is these

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Earth on

considerations that motivated the writing of this book.

Data on water quality and other environmental issues are being collected at an ever-increasing rate. In the past, however, the techniques used by scientists to interpret this data have not

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Hydrogeology

progressed as
quickly. This is a

book of modern

statistical methods

for analysis of

practical problems

in water quality and

water resources.

The last fifteen

years have seen

major advances in

the fields of

exploratory data

analysis (EDA) and

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Hydrogeology

**robust statistical
methods. The 'real-
life' characteristics**

**of environmental
data tend to drive
analysis towards the
use of these
methods. These
advances are
presented in a
practical and
relevant format.**

**Alternate methods
are compared,**

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Hydrogeology

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as applied to

environmental data.

Techniques for

trend analysis and

dealing with water

below the detection

limit are topics

covered, which are

of great interest to

consultants in water-

quality and

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Hydrogeology

Research New

International

Journal

hydrology, scientists in state, provincial and federal water resources, and geological survey agencies. The practising water resources scientist will find the worked examples using actual field data from case studies of environmental

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Hydrogeology

problems, of real
value. Exercises at

the end of each

chapter enable the

mechanics of the

methodological

process to be fully

understood, with

data sets included

on diskette for easy

use. The result is a

book that is both up-

to-date and

immediately

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Hydrogeology

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International
Earth
relevant to ongoing
work in the
environmental and
water sciences.

**Water Wells and
Boreholes provides
the necessary
scientific
background
together with
practical advice
using global case
studies, in an
accessible easy to**

Read Online

Applied

Hydrogeology

**use style suitable
for both postgraduat
es/researchers and
practitioners. The**

**book begins with an
introduction to the
type and uses of
water wells from
water supply and
irrigation through to
groundwater
remediation. It then
covers well siting
detailing how to**

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Earth Science

source data from geophysical surveys, remote sensing etc. Well design is then summarised to ensure the well is stable and cost-effective. The book ends with three chapters covering well construction, well testing and well performance,

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Hydrogeology

**maintenance and
rehabilitation.**

Revised, New

The text is designed

for advanced

**undergraduate or
beginning graduate-
level courses in**

hydrology,

groundwater

hydrology,

hydrogeology, and

civil engineering.

This best selling

text gives students

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Hydrogeology

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Hydrogeology. The

text stresses the

application of

mathematics to

problem solving

rather than

derivation of theory.

It provides a

balance between

physical and

chemical

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Hydrogeology

Pearson New

International

student

understanding of
the occurrence and
movement of
ground water in a
variety of geologic
settings. The full
text downloaded to
your computer With
eBooks you can:
search for key

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Hydrogeology

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edition

concepts, words

and phrases make

highlights and notes

as you study share

your notes with

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available online and

also via the iPad

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Hydrogeology

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eBook. Time limit

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products do not

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You will continue to

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whilst you have your

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Elementary

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Hydrogeology

Hydrology

Statistical Methods

in Water Resources

Transport and

Remediation

Hydrology in

Practice

Geology

Personality: Classic

Theories and

Modern Research

The third edition of

Fundamentals of

Hydrology provides

Read Online

Applied

Hydrogeology

an absorbing and
comprehensive

introduction to the

understanding of how

fresh water moves on

and around the planet

and how humans

affect and manage

the freshwater

resources available to

them. The book

consists of three

parts, each of

fundamental

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Hydrogeology

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International

Edition

importance in the understanding of hydrology: The first section deals with processes within the hydrological cycle, our understanding of them, and how to measure and estimate the amount of water within each process. This also includes an analysis of how each process impacts upon

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Hydrogeology

water quality issues.
The second section is

concerned with the

measurement and

analytical assessment

of important

hydrological

parameters such as

streamflow and water

quality. It describes

analytical and

modelling techniques

used by practising

hydrologists in the

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Hydrogeology

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Education

assessment of water resources. The final

section of the book

draws together the

first two parts to

discuss the

management of

freshwater with

respect to both water

quality and quantity in

a changing world.

Fundamentals of

Hydrology is a lively

and accessible

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Hydrogeology

Pearson New

International

Edition

introduction to the study of hydrology at university level. It gives undergraduates a thorough understanding of hydrological processes, knowledge of the techniques used to assess water resources, and an up-to-date overview of water resource management.

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Hydrogeology

Pearson New

International

Education

Throughout the text, examples and case studies from all around the world are used to clearly explain ideas and techniques. Essay questions, guides to further reading, and website links are also included.

Tremendous progress has been made in the field of remediation

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Applied

Hydrogeology

Pearson New

International

Hydrogeology was

published two

decades ago, and its

content is more

important than ever.

Recognizing the

extensive

advancement and

research taking place

around the world, the

authors have

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Hydrogeology

Pearson New

International

Edition

embraced and worked from a larger global perspective. Boving and Kreamer incorporate environmental innovation in studying and treating groundwater/soil contamination and the transport of those contaminants while building on Fetter's original foundational

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Hydrogeology

Pearson New

International

Edition

work. Thoroughly updated, expanded, and reorganized, the new edition presents a wealth of new material, including new discussions of emerging and potential contaminant sources and their characteristics like deep well injection, fracking fluids, and in situ leach mining.

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Hydrogeology

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International

Edition

New sections cover
BET and Polanyi
adsorption potential
theory, vapor
transport theory, the
introduction of the
Capillary and Bond
Numbers, the
partitioning interwell
tracer testing
technique for
investigating NAPL
sites, aerial
photographic

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Hydrogeology

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International

Surveys, high

resolution vertical

sampling, flexible liner

systems, groundwater

tracers, and much

more. Contaminant

Hydrogeology is

intended as a

textbook in upper

level courses in mass

transport and

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Hydrogeology

contaminant

hydrogeology, and

remains a valuable

resource for

professionals in both
the public and private
sectors.

This book introduces
the readers to
possible aspects of
the rainwater
harvesting system
against urbanization
to plan, design, and

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Hydrogeology

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International

Library

implement. Practical applications of rainwater harvesting to supplement potable water, stormwater management, greywater reuse, and managed aquifer recharge are included. Along with conventional practices, advanced technologies for conceptualizing, data

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Hydrogeology

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International

Editorial

collection and processing, test procedures, and design principles are provided to illustrate the theory. This book is a pathway to a water smart city, example problems reflect the solutions for harvested water quantity and/or quality and afterward. Socio-economic

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Applied

Hydrogeology

Pearson New

International

Edition

assessments are incorporated to explore comprehensive knowledge. The book covers an interdisciplinary field, thus, suitable for students, researchers, and professionals associated with rainwater harvesting system development and management.

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Applied

Hydrogeology

Pearson New

International

edition)

An attempt is made to place before students (degree and post-degree) and professionals in the fields of Civil and Agricultural Engineering, Geology and Earth Sciences, this important branch of Hydrosience, i.e., Hydrology. It deals with all phases of the Hydrologic cycle and

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Applied

Hydrogeology

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International

Edition

related topics in a lucid style and in metric system. There is a departure from empiricism, with emphasis on collection of hydrological data, processing and analysis of data, and hydrological design on sound principles and matured judgement. Large

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Applied

Hydrogeology

Pearson New

International

Edition

number of hydrological design problems are worked out at the end of each article, to illustrate the principles involved and the design procedure. Problems for assignment are given at the end of each chapter, along with objective type and intelligence questions.

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Applied

Hydrogeology

Extreme Hydrology
and Climate

Variability

Applied Hydrogeology

Rainwater Harvesting

-- Building a Water
Smart City

Fundamentals of Soil
Behavior

Hydrology

ENGINEERING

HYDROLOGY

Design Drainage and
Storm Water

Read Online

Applied

Hydrogeology

Management Systems

Efficiently Urban

Storm Water

Management, Second

Edition covers the

design, installation,

and maintenance of

storm water

management systems,

addresses the impact

of urban development

on runoff and

infiltration, and

focuses on storm water

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Applied

Hydrogeology

Pearson New

International

Edition

management relative to flooding and water pollution. Recognizing that urbanization increases and accelerates runoff, reduces infiltration, and deteriorates water quality, the author proposes storm water runoff as a resource that can be conserved for reuse. He suggests the reuse of storm

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Hydrogeology

water runoff in
Pearson New
International
Edition
general, and rainwater
from roofs in

particular, as a cost-
effective means to
achieve long-term
sustainability. In
addition, the book
explores green
infrastructure as the
future of storm water
management, and
introduces techniques
that can help reduce

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Applied

Hydrogeology

Pearson New

International

Edition

the thermal impacts of
storm water

management practices.

Based on the author's
more than thirty years
of experience, this

book includes

numerous examples

and case studies

illustrating the

methods and

procedures needed to

design, maintain, and

understand structural

Read Online

Applied

Hydrogeology

Pearson New

International

Edition

and nonstructural storm water management systems.

It covers every component of the storm water runoff process, discusses commonly employed runoff models in the United States, and introduces a physically based model developed by the author. New in This Edition: Provides

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Applied

Hydrogeology

Pearson New

International

Edition

an updated

presentation of

urbanization's impact

on storm water

Presents further

analysis of the

universal runoff model

and the application of

this model to non-

uniform rainfalls

Offers a more detailed

presentation of storm

water management

systems, especially bio-

Read Online

Applied

Hydrogeology

Pearson New

International

edition

filtration basins

Includes a

comparative analysis

of the effectiveness and

costs of best

management practices

(BMPs) Adds more

than twice as many

problems as before

Contains an in-depth

discussion of the

means of collecting

storm water, such as

roof rain for outdoor

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Applied

Hydrogeology

Pearson New

International

Edition

and certain indoor
uses Urban Storm
Water Management
covers the design of
various types of
structural storm water
management systems,
provides new
information on storm
water management,
suggests alternative
solutions to storm
water runoff problems,
and serves as an

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Applied

Hydrogeology

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International

Edition

overall resource for practicing engineers and municipal planners in the design of storm water management elements. This lucidly-written book, with its diagrammatic representation and practical examples, presents a comprehensive treatment of the

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Hydrogeology,

Pearson New

International

Edition

fundamentals of
engineering hydrology
in the areas of
elements of
hydrological cycle,
abstraction losses,
streamflow
measurement, runoff,
hydrology statistics,
flood frequency
analysis and
groundwater flow.

Throughout the book,
the text emphasises

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Hydrogeology

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Edition

problem-solving in which students are encouraged to apply their conceptual understanding in order to solve practical problems. This book is primarily intended for the undergraduate students of civil engineering and agricultural engineering.

A thorough knowledge

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Applied

Hydrogeology

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Education

of geology is essential in the design and construction of infrastructures for transport, buildings and mining operations; while an understanding of geology is also crucial for those working in urban, territorial and environmental planning and in the prevention and

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Applied

Hydrogeology

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International

edition

mitigation of geohazards. Geological Engineering provides an interpretation of the geological setting, integrating geological conditions into engineering design and construction, and provides engineering solutions that take into account both ground conditions and environment. This

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Applied

Hydrogeology

textbook, extensively
illustrated with

working examples and

a wealth of graphics,

covers the subject area

of geological

engineering in four

sections:

Fundamentals: soil

mechanics, rock

mechanics and

hydrogeology

Methods: site

investigations, rock

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Applied

Hydrogeology

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International

Editor:

mass characterization
and engineering
geological mapping
Applications:
foundations, slope
stability, tunnelling,
dams and reservoirs
and earth works

Geohazards:
landslides, other mass
movements,
earthquake hazards
and prevention and
mitigation of

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Applied

Hydrogeology

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International

Edition

geological hazards As well as being a textbook for graduate and postgraduate students and academics, Geological Engineering serves as a basic reference for practicing engineering geologists and geological and geotechnical engineers, as well as civil and mining engineers

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Applied

Hydrogeology

dealing with design
and construction of

foundations, earth

works and excavations

for infrastructures,

buildings, and mining

operations.

For courses in Ground
water/Hydrogeology or

Ocean and Water

Resources. This is the

first groundwater

hydrology book

composed entirely of

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Applied

Hydrogeology

genuine, applied
Pearson New
problems that cover

International
the range of concepts

addressed in most

groundwater

hydrology courses.

Twenty-one exercises

help develop students'

quantitative skills,

require data analysis

and concept

exploration, and

incorporate current

image and graphic

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Hydrogeology

technologies to
enhance learning.

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International

Edition

Textbook for
Geologists and

Geophysicists

Applied Hydrology

Writing, Speaking,

and Thinking about

Geology

Geological

Engineering

Hydrogeology in

Practice

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Applied
Hydrogeology

Groundwater

Offers an overall

introduction to the field

of chemical hydrology,

useful to professionals

from a wide variety of

training backgrounds.

Provides working

professionals with an all-

in-one source of

reference to

hydrogeological

literature. Brings together

basic concepts from

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Applied

Hydrogeology

*organic chemistry and
microbiology to support
their applications to*

hydrogeology and

*presents examples from
the literature that use
these concepts. The
emphasis is on practical,
real-world problems,
with coverage of the
theoretical basics but a
focus on applications.*

*For hydrogeologists,
environmental scientists,*

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Applied

Hydrogeology

environmental specialists,

soil scientists, and

hydrologists.

There is a continued

demand for well-trained

and competent

hydrogeologists,

especially in the

environmental sector.

For decades, Fetter's

Applied Hydrogeology

has helped prepare

students to excel in

careers in hydrogeology

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Applied

Hydrogeology

*or other areas of
environmental science*

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International

*and engineering where a
strong background in*

Edition

hydrogeology is needed.

The text's long-standing

tradition as a vital

resource is further

enhanced in the fifth

edition by Kreamer's

added expertise. Stressing

the application of

mathematics to problem-

solving, example

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Applied

Hydrogeology

problems throughout the book provide students the opportunity to gain a

much deeper

understanding of the material. Some important topics include the properties of aquifers, the principles of groundwater flow, water chemistry, water quality and contamination, and groundwater

development and

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Applied

Hydrogeology

management. The addition of new case studies and end-of-

chapter problems will

strengthen understanding of the occurrence and movement of ground water in a variety of geological settings.

Hydrology in Practice is an excellent and very successful introductory text for engineering hydrology students who

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Applied

Hydrogeology

*go on to be practitioners
in consultancies, the*

Environment Agency,

and elsewhere. This

fourth edition of

Hydrology in Practice,

while retaining all that is

excellent about its

predecessor, by Elizabeth

M. Shaw, replaces the

material on the Flood

Studies Report with an

equivalent section on the

methods of the Flood

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Applied

Hydrogeology

Pearson New

International

Edition on

*instrumentation and
modelling reflect the
many changes that have
occurred over recent
years. The updated text
has taken advantage of
the extensive practical
experience of the staff of
JBA Consulting who use
the methods described on*

Read Online

Applied

Hydrogeology

a day-to-day basis.

Topical case studies

further enhance the text

and the way in which

students at

undergraduate and MSc

level can relate to it. The

fourth edition will also

have a wider appeal

outside the UK by

including new material

on hydrological

processes, which also

relate to courses in

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Hydrogeology

geography and

environmental science

departments. In this

edition the book draws

on the expertise of Keith

J. Beven and Nick A.

Chappell, who have

extensive experience of

field hydrological studies

in a variety of different

environments, and have

taught undergraduate

hydrology courses for

many years. Second- and

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Hydrogeology

*final-year undergraduate
(and MSc) students of*

hydrology in engineering,

environmental science,

and geography

departments across the

globe, as well as

professionals in

environmental protection

agencies and

consultancies, will find

this book invaluable. It is

likely to be the course text

for every

Read Online

Applied

Hydrogeology
undergraduate/MSc

*hydrology course in the
UK and in many cases
overseas too.*

*Predicting water runoff
in ungauged water
catchment areas is vital
to practical applications
such as the design of
drainage infrastructure
and flooding defences,
runoff forecasting, and
for catchment
management tasks such*

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Applied

Hydrogeology

*as water allocation and
climate impact analysis.*

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International

Edition

*This full colour book
offers an impressive
synthesis of decades of
international research,
forming a holistic
approach to catchment
hydrology and providing
a one-stop resource for
hydrologists in both
developed and
developing countries.*

Topics include data for

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Applied

Hydrogeology

*runoff regionalisation,
the prediction of runoff*

hydrographs, flow

duration curves, flow

paths and residence

times, annual and

seasonal runoff, and

floods. Illustrated with

many case studies and

including a final chapter

on recommendations for

researchers and

practitioners, this book is

written by expert authors

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Hydrogeology

involved in the prestigious IAHS PUB initiative. It is a key

resource for academic

researchers and

professionals in the

fields of hydrology,

hydrogeology, ecology,

geography, soil science,

and environmental and

civil engineering.

Environmental Isotopes

in Hydrogeology

Third Edition

Page 71/174

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Hydrogeology

*Wadi Hydrology
Hydrologic Analysis and
Design*

*Handbook of Applied
Hydrology, Second
Edition*

Global Hydrology

This book is a printed edition of the Special Issue "The Use of Remote Sensing in Hydrology" that was published in Water

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Hydrogeology

Pearson New

International

Edition

This text gives a comprehensive look at the field of hydrology and the current issues affecting the discipline currently. Six parts provide in-depth coverage of the hydrologic cycle, hydrologic measurement and monitoring, surface water hydrology,

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Applied

Hydrogeology

groundwater

Pearson, New

hydrology, hydrologic
International
modelling and

statistical methods.

The inclusion of water
quality and social
dimensions relates
science to public
policy.

This best selling book,
Applied Hydrogeology
gives readers a
balanced examination

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Hydrogeology

Pearson New

International

Edition

of all facets of hydrogeology. It text stresses the application of mathematics to problem solving rather than derivation of theory. It provides a balance between physical and chemical hydrogeology.

Numerous case studies cultivate reader understanding of the

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Hydrogeology

Pearson New

International

Edition

occurrence and
movement of ground
water in a variety of
geologic settings. This
valuable reference
includes five new case
histories: The Dakota
Aquifer, Fractures
Sedimentary
Rocks—Newark
basin, Faults as
Aquifer Boundaries,
Desert

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Hydrogeology

Hydrology—Azraq basin, Jordan. Uses the Internet to obtain hydrogeologic data and information.

Includes well-developed case studies in most of the chapters. Contains tables covering various functions, unit conversions, and additional data for

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Applied

Hydrogeology

solving well

hydraulics, water

chemistry, and

contaminant transport

problems. For readers

interested in advanced

hydrology,

groundwater

hydrology,

hydrogeology, and

civil engineering.

Hydrology: Advances

in Theory and

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Hydrogeology

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Edition

Practice, brings together contributions to both the theory and practice of hydrology, including chapters on (amongst other topics) flood estimation methods and hydrological modelling. The book also looks forward with a global hydrology research

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Hydrogeology

agenda fit for the
2030s, and explores
how to make advances
in hydrological

modelling – based on
almost 50 years of
modelling experience.

In Focus – a book
series that showcases
the latest

accomplishments in
water research. Each
book focuses on a

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Hydrogeology

Pearson New

International

Edition

specialist area with papers from top experts in the field. It aims to be a vehicle for in-depth understanding and inspire further conversations in the sector.

Processes, Resources and Environmental Management

A Case Study in

Read Online

Applied

Hydrogeology

Northern Switzerland

Pearson New

Fifth Edition

International

Edition

Water Wells and

Boreholes

Practical Problems in

Groundwater

Hydrology

Hydrology: Advances

in Theory and

Practice

In 1980, Nagra, the

Swiss National

Cooperative for

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Hydrogeology

***the Storage of
Radioactive Waste,
begin a***

***comprehensive
field investigation
programme to
assess the
feasibility and
safety of a
repository for the
final disposal of
high-level
radioactive waste***

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Applied

Hydrogeology

Pearson New

International

Edition

***in northern
Switzerland. An
international team
of scientists has
carried out a
comprehensive
study on the
isotope
hydrogeology of
deep
groundwaters. One
of the major
implications of this***

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Applied

Hydrogeology

Pearson New

International

Edition

***work pertains to
the storage of
radioactive waste.***

***The study goes far
beyond an in-
depth regional
study as it draws
together the
results of diverse
techniques, many
of which have
been re-evaluated
or further***

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Hydrogeology

Pearson New

International

Edition

developed. This book presents in great detail the results of one of the most comprehensive isotope hydrology studies ever undertaken.

Groundwater is an increasingly important resource to human

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Hydrogeology

Pearson, New

International

Edition

***populations
around the world,
and the study and
protection of
groundwater is an
essential part of
hydrogeology - the
subset of
hydrology that
concentrates on
the subsurface.
Environmental
isotopes, naturally***

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Applied

Hydrogeology

occurring nuclides

in water and

solutes, have

become

fundamental tools

for tracing the

recharge, history,

and contamination

of groundwater.

The literature of

hydrology

abounds with texts

on the

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Hydrogeology

Pearson New

International

Edition

hydrological and water resource problems in humid regions. However, this is not the case for the arid or semi arid regions. The situation is exemplified by the fact a concrete definition for the term “wadi”, as accepted by

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Hydrogeology

Pearson New

International

Edition

***UNESCO for
describing these
areas, is difficult to
find. Arguably the
first book devoted
entirely to
examining this
important
resource, Wadi
Hydrology
presents
methodologies for
sustainable***

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Applied

Hydrogeology

***management of
wadis and their
water resources.***

***Through unique
physical
approaches, field
cases, sample
interpretations,
and various
applications to
different models,
this book provides
an in-depth***

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Hydrogeology

***understanding of
these systems that***

illustrates the

efficiency of

harnessing water

from wadis. The

author compiles

the most up-to-

date information

on arid region

hydrology,

including specific

techniques for

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Hydrogeology

Pearson New

International

Edition

***hydrological
calculations and
desertification
assessments, and
includes examples
and solved
problems in each
chapter.***

***This is the eBook
of the printed book
and may not
include any media,
website access***

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Applied

Hydrogeology

**codes, or print
supplements that
may come**

**packaged with the
bound book. For
undergraduate and
graduate courses
in Hydrology. This
text offers a clear
and up-to-date
presentation of
fundamental
concepts and**

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and climates,
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karst rocks, the
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kinetics of
their
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hydrogeology of
karst terrains,
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endemic to
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multiple
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