



Hydrology and Floodplain Analysis (5th Edition)

By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux

Download now

Read Online 

Hydrology and Floodplain Analysis (5th Edition) By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux

For undergraduate and graduate courses in Hydrology.

This text offers a clear and up-to-date presentation of fundamental concepts and design methods required to understand hydrology and floodplain analysis. It addresses the computational emphasis of modern hydrology and provides a balanced approach to important applications in watershed analysis, floodplain computation, flood control, urban hydrology, stormwater design, and computer modeling. This text is perfect for engineers and hydrologists.

 [Download Hydrology and Floodplain Analysis \(5th Edition\) ...pdf](#)

 [Read Online Hydrology and Floodplain Analysis \(5th Edition\) ...pdf](#)

Hydrology and Floodplain Analysis (5th Edition)

By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux

Hydrology and Floodplain Analysis (5th Edition) By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux

For undergraduate and graduate courses in Hydrology.

This text offers a clear and up-to-date presentation of fundamental concepts and design methods required to understand hydrology and floodplain analysis. It addresses the computational emphasis of modern hydrology and provides a balanced approach to important applications in watershed analysis, floodplain computation, flood control, urban hydrology, stormwater design, and computer modeling. This text is perfect for engineers and hydrologists.

Hydrology and Floodplain Analysis (5th Edition) By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux Bibliography

- Sales Rank: #606895 in Books
- Brand: Brand: Prentice Hall
- Published on: 2012-02-25
- Original language: English
- Number of items: 1
- Dimensions: 9.20" h x 1.20" w x 7.20" l, 2.90 pounds
- Binding: Hardcover
- 816 pages



[Download Hydrology and Floodplain Analysis \(5th Edition\) ...pdf](#)



[Read Online Hydrology and Floodplain Analysis \(5th Edition\) ...pdf](#)

Download and Read Free Online Hydrology and Floodplain Analysis (5th Edition) By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux

Editorial Review

About the Author

Philip B. Bedient is the Herman Brown Professor of Engineering, with the Department of Civil and Environmental Engineering, Rice University, Houston, TX. He received the Ph.D. degree in environmental engineering sciences from the University of Florida. He is a registered professional engineer and teaches and performs research in surface hydrology, modeling, and flood prediction systems, and ground water hydrology. He has directed over 50 research projects over the past 31 years, and has written over 180 journal articles and conference proceedings over that time. He has also written four textbooks in the area of surface and groundwater hydrology. He received the Shell Distinguished Chair in environmental science (1988–92), the C.V. Theis award in 2007, and he was elected Fellow of ASCE in 2006. Dr. Bedient has worked on a variety of hydrologic problems, including river basin analyses, major floodplain studies, groundwater contamination models, and hydrologic/GIS models in water resources. He has been actively involved in developing computer systems for flood prediction and warning, and recently directed the development of a real-time flood alert system (FAS2) for the Texas Medical Center (TMC) in Houston. The FAS2 is based on converting NEXRAD radar data directly to rainfall in a GIS framework, which is then used to predict peak channel flows. Dr. Bedient is organizing the Houston test bed for the Center for Collaborative Adaptive Sensing of the Atmosphere (CASA), an NSF Engineering Research Center led by University of Massachusetts-Amherst, and Rice University is a strategic outreach partners. CASA's revolutionary sensing technology is expected to increase the warning time for flash floods and other severe weather events with greater accuracy than existing systems. The first high technology radar was deployed in 2007 in the TMC in Houston as part of the on-going flood warning system developed for the Texas Medical Center. Dr. Bedient has overseen the monitoring, modeling, and remediation at numerous hazardous waste sites, including six Superfund sites, and U.S. Air Force bases in five states. He has extensive experience in contaminant transport at sites impacted with chlorinated solvents and fuels. He has served on two National Academy of Science committees relating to environmental remediation and technology, and has received research funding from NSF, the U.S. EPA, the U.S. Department of Defense, the State of Texas, the U.S. Army Corps of Engineers, and the City of Houston.

Wayne C. Huber is Professor of Civil, Construction, and Environmental Engineering at Oregon State University, Corvallis. His doctoral work at the Massachusetts Institute of Technology dealt with thermal stratification in reservoirs, for which he received the Lorenz G. Straub Award from the University of Minnesota and the Hilgard Hydraulic Prize from the American Society of Civil Engineers (ASCE). He is a member of several technical societies and has served several administrative functions within the ASCE. He is the author of over 120 reports and technical papers, is a registered professional engineer, and has served as a consultant on numerous studies done by public agencies and private engineering firms. Beginning at the University of Florida and continuing at Oregon State University, Dr. Huber's research has included studies of urban hydrology, Storm water management, nonpoint source runoff, river basin hydrology, lake eutrophication, rainfall statistics, and hydrologic and water quality modeling. He is one of the original authors of the EPA Storm Water Management Model and has helped to maintain and improve the model continuously since 1971. Dr. Huber is an internationally recognized authority on runoff quantity and quality processes in urban areas.

Baxter E. Vieux is Director of the Natural Hazards and Disaster Research Center and Professor in the School of Civil Engineering and Environmental Science, University of Oklahoma, Norman where he teaches

courses in hydrology, GIS, surveying, measurements, water quality management, and engineering graphics and design. Before joining OU in 1990, he held a professorship at Michigan State University teaching watershed management after earning his PhD there. Dr. Vieux was recently appointed as Adjunct Professor with the Department of Environmental Engineering and Science, Rice University, Houston. Prior to his academic career, he spent ten years with the USDA Natural Resources Conservation Service serving as Acting State Engineer, and being responsible for statewide engineering design and construction programs in Michigan. He is a registered professional engineer in three states and is co-principal and founder of Vieux & Associates, Inc., an engineering technology company with clients in the US and internationally in radar rainfall, GIS, and hydrology. Dr. Vieux is the innovator and architect of the first commercially available physics-based distributed hydrologic model, *Vflo™*, which uses real-time radar inputs for hydrologic analysis and prediction. Span urban and rural hydrology, the model has worldwide applicability. A patent is held for a method of realtime distributed model calibration. Consultative services include major corporations and engineering companies, and domestic and international water agencies. Externally sponsored academic research has been funded by NASA, EPA, NWS, NOAA, Army Corps of Engineers, NSF, and state/local agencies. Internationally, he has conducted research and worked on projects in France, Japan, Poland, Niger, Nicaragua, Taiwan, Paraguay, Korea and Romania. He has authored over 110 publications in hydrology including a recent book in its second edition, *Distributed Hydrologic Modeling Using GIS*, Kluwer Academic Press, Vol. 48.

Users Review

From reader reviews:

Willard Callahan:

As people who live in the modest era should be change about what going on or info even knowledge to make these individuals keep up with the era which can be always change and make progress. Some of you maybe will certainly update themselves by examining books. It is a good choice for you but the problems coming to a person is you don't know which one you should start with. This Hydrology and Floodplain Analysis (5th Edition) is our recommendation to help you keep up with the world. Why, because book serves what you want and want in this era.

Donald Taylor:

Nowadays reading books become more than want or need but also be a life style. This reading routine give you lot of advantages. The benefits you got of course the knowledge the actual information inside the book which improve your knowledge and information. The details you get based on what kind of reserve you read, if you want have more knowledge just go with knowledge books but if you want really feel happy read one along with theme for entertaining including comic or novel. Typically the Hydrology and Floodplain Analysis (5th Edition) is kind of publication which is giving the reader capricious experience.

Janice Burgess:

The actual book Hydrology and Floodplain Analysis (5th Edition) will bring one to the new experience of reading a book. The author style to spell out the idea is very unique. In the event you try to find new book to see, this book very suited to you. The book Hydrology and Floodplain Analysis (5th Edition) is much recommended to you to study. You can also get the e-book from the official web site, so you can more easily

to read the book.

Peggy Dunn:

What is your hobby? Have you heard that will question when you got pupils? We believe that that concern was given by teacher on their students. Many kinds of hobby, Every individual has different hobby. So you know that little person like reading or as reading through become their hobby. You need to know that reading is very important and book as to be the matter. Book is important thing to include you knowledge, except your own personal teacher or lecturer. You will find good news or update about something by book. Many kinds of books that can you choose to use be your object. One of them is this Hydrology and Floodplain Analysis (5th Edition).

Download and Read Online Hydrology and Floodplain Analysis (5th Edition) By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux #BERIJ3TH2X5

Read Hydrology and Floodplain Analysis (5th Edition) By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux for online ebook

Hydrology and Floodplain Analysis (5th Edition) By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Hydrology and Floodplain Analysis (5th Edition) By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux books to read online.

Online Hydrology and Floodplain Analysis (5th Edition) By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux ebook PDF download

Hydrology and Floodplain Analysis (5th Edition) By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux Doc

Hydrology and Floodplain Analysis (5th Edition) By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux MobiPocket

Hydrology and Floodplain Analysis (5th Edition) By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux EPub

BERIJ3TH2X5: Hydrology and Floodplain Analysis (5th Edition) By Philip B. Bedient, Wayne C. Huber, Baxter E. Vieux