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HYDROLOGY and Floodplain Analysis

Sixth Edition

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ALL NEW 6TH EDITION!

HYDROLOGY.RICE.EDU

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Hydrology and Floodplain Analysis, 6th Edition, is the premiere resource for hydrologists and engineers. This book is ideal for students in hydrology courses or can serve as an engineer's reference guide.

What's New:

The 6th edition incorporates the latest advancements in hydrology and many new examples, figures, pictures, chapters, & homework problems.

New chapters and examples indicated below:

- Chapter 6: SWMM5 example embedded in a real case study of the application of stormwater controls
- Chapter 7: HEC-RAS discussion with a new detailed example
- Chapter 8: Examples in groundwater modeling from California
- Chapter 10: Chapter on GIS in Hydrology with a new example
- Chapter 11: Radar chapter with a new *Vflo*[®] example
- Chapter 12: Chapter on flood policy evolution in the U.S.
- Chapter 13: Chapter on water resources case studies across America, including Colorado River, Columbia River, and Texas flood issues (including Harvey impacts).

The latest developments in hydrology are highlighted in the 6th Edition, and includes the most recent improvements in computer software and models used to define floodplains. These include hydrologic models (HEC-HMS, HEC-RAS, and EPA SWMM5) and GIS software, including radar rainfall and LiDAR terrain data. Additional resources, important websites and links, and large-scale data that are used routinely in hydrology are listed in Appendix E and can also be found at the textbook website: hydrology.rice.edu.

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