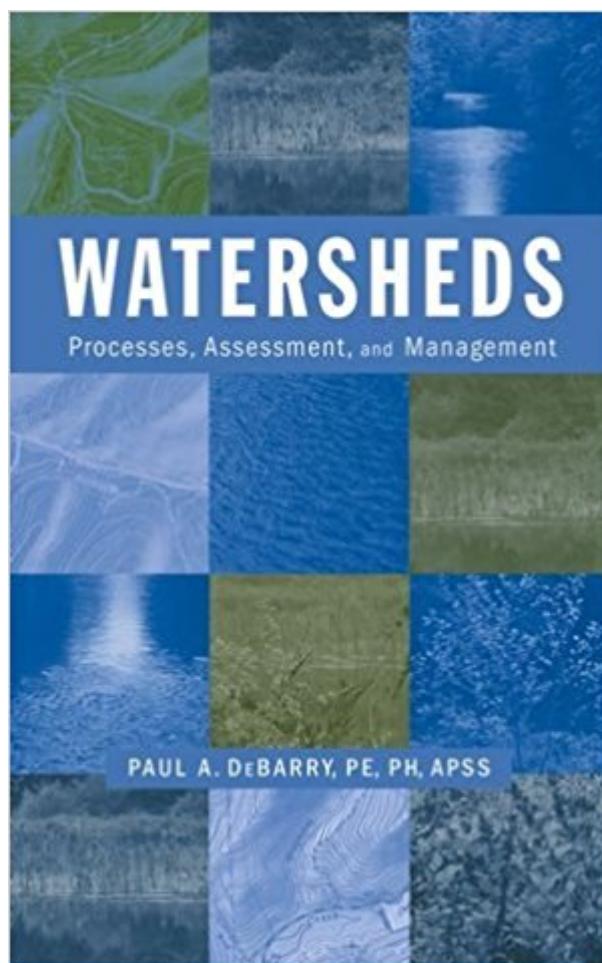


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# Watersheds: Processes, Assessment And Management



## Synopsis

Get the most up-to-date and comprehensive guide to watershed analysis and management. In *Watersheds: Processes, Assessment, and Management*, author Paul DeBarry covers aspects of watershed physical processes such as assessing, classifying, and evaluating a watershed; using GIS models for watershed assessment; and effectively planning for future use and demands. He covers precipitation, ecology, geology, soils, geomorphology, hydrogeology, hydrology, water quality, hydraulics, GIS, data collection, planning, and management. And he takes you beyond theory so you learn to apply planning, management, GIS, and hydrologic engineering principles in real-world watershed management. This concise reference manual is ideal whether you're a scientist, biologist, geologist, engineer, planner, administrator, part of a citizens group, or a practitioner seeking to identify what is important in the watershed being studied.

## Book Information

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The most up-to-date and comprehensive guide to watershed analysis and management *Watersheds: Processes, Assessment, and Management* covers aspects of watershed physical processes; assessing, classifying, and evaluating a watershed; using GIS models for watershed assessment; and effectively planning for future use and demands. Topics covered include precipitation, ecology, geology, soils, geomorphology, hydrogeology, hydrology, water quality, hydraulics, GIS, data collection, planning, and management. It provides a concise reference manual for scientists, biologists, geologists, engineers, planners, administrators, and citizens groups, and

serves as an aid for the practitioner to identify what is important in the watershed being studied. Incorporating a holistic approach to watershed management that focuses on state-of-the-art technology, *Watersheds* offers readers a clear road map for taking a watershed assessment and management project from start to finish using the most current computer models and GIS data and tools. This comprehensive book also: Explores next-generation watershed management concepts much needed and widely applicable on an international level Compares various innovative management alternatives Provides sufficient information to understand the analysis, planning, and management process, while guiding the reader to further research Because various disciplines define or classify the same physical features and phenomenon differently, this reference illustrates the similarities and differences between numerous terms, definitions, and classifications to present interdisciplinary consistency. *Watersheds: Processes, Assessment, and Management* is a powerful tool for going beyond theory and applying planning, management, GIS, and hydrologic engineering principles in real-world watershed management.

PAUL A. DeBARRY, PE, PH, APSS, is a senior engineer and head of the Storm Water Management and River/Stream Hydraulics and GIS Section of the engineering firm of Borton-Lawson, based in Wilkes-Barre, Pennsylvania, and is an instructor at the Pennsylvania State University. He has chaired and co-chaired numerous symposia and conferences related to water resources and GIS, and he is a contributing author to the Hydrology Handbook and GIS Modules and Distributed Models of the Watershed. He is a member of ASCE, where he serves on the Surface Water Hydrology Committee and the review committee for the Journal of Hydrology.

Good text, but could use a detailed index, glossary and acronym list. Easy to do these days - Most information seemed dated - over 10 years old, or the authors own papers/texts. SO much more is available, now.

Great item!

good condition - almost new. Wish the highlighting policy was not so strict - flagging works well too.

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