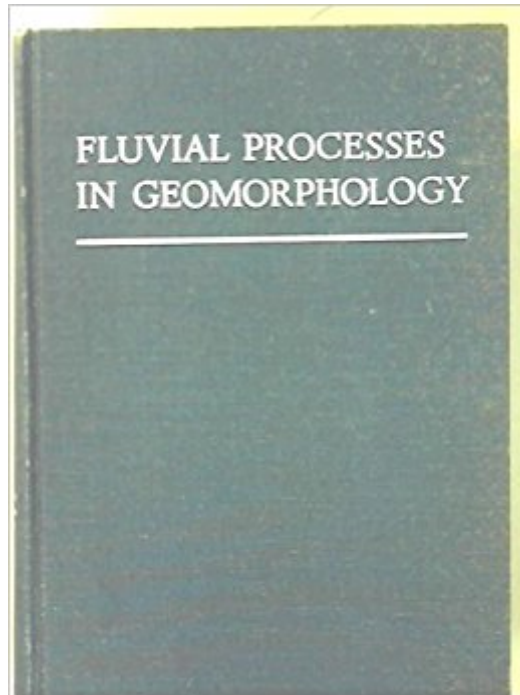




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Fluvial Processes In Geomorphology (Books In Geology)



Synopsis

This excellent text is a pioneering work in the study of landform development under processes associated with running water. Its primary emphasis is on subjects that were the focus of the authors' studies in both field and laboratory. Part I deals with the process of change in the evolving landscape. Part II explores process and form, and Part III, the effects of time. In Part I, the relation of geomorphology to field problems is analyzed in studies of a mountain block in a semiarid climate, a meandering river cut into bedrock, and benches along a sea coast. Part Two contains studies of weathering, climate, and such denudational processes as flooding and erosion. Here, too, are examinations of the drainage basin as a geomorphic unit, water and sediment in channels, channel form and process, and hillslope characteristics and processes. In Part III, the authors cover geochronology, drainage pattern evolution, channel changes with time, and the evolution of hillslopes. Two appendixes will help readers convert units and equivalents, and identify symbols and nomenclature. 1964 edition. --This text refers to the Paperback edition.

Book Information

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Customer Reviews

This book forms one of the foundations of the field of stream geomorphology from one of the founding fathers. I would recommend it as the basic text for someone serious about learning about fluvial geomorphology. Considerable work has been added to the field since Dr. Leopold's book was first published in 1964 but this forms a very good synthesis of a complex subject. As a civil engineer/geomorphologist, I have referred to this book many times over the past 25 years since I was one of his students at Berkeley. A great value in paperback.

Great reference guide for environmental professionals interested in science of streams.

This is a classic text for geologists, hydrologists, and geomorphologists out there. The text is full of many great lessons and supporting diagrams.

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The book is well written, well researched and well and truly packed with scientific stuff. It is not a light read.

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