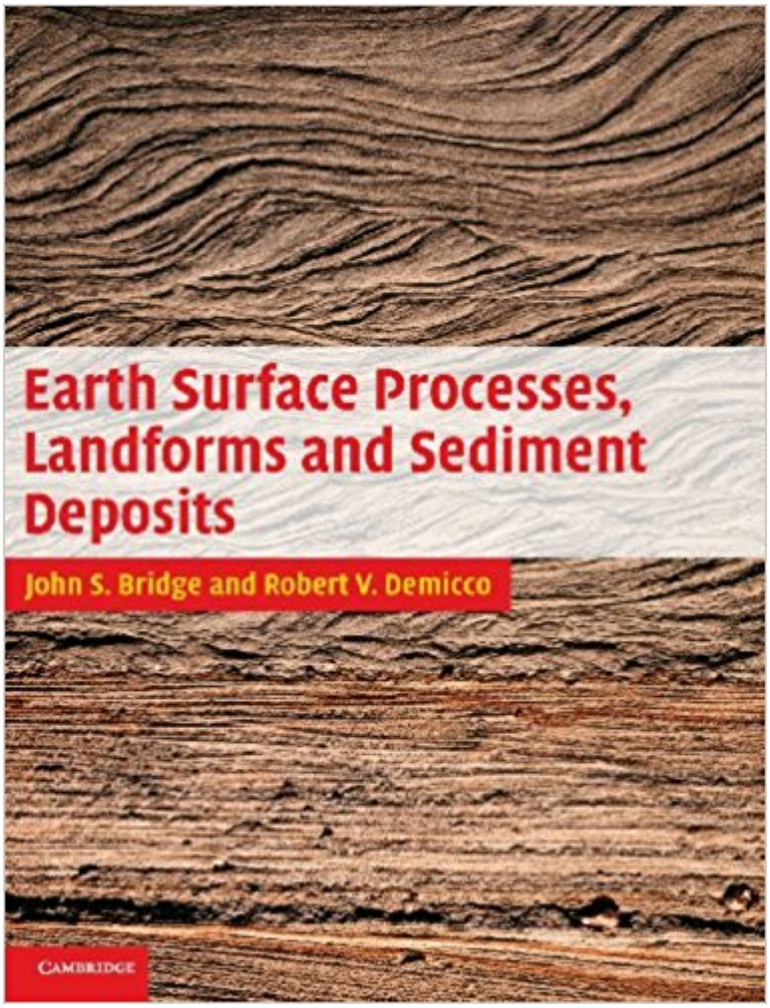
Earth Surface Processes, Landforms And Sediment Deposits



Synopsis

Earth surface processes, landforms and sediment deposits are intimately related - involving erosion of rocks, generation of sediment, and transport and deposition of sediment through various Earth surface environments. These processes, and the landforms and deposits that they generate, have a fundamental bearing on engineering, environmental and public safety issues; on recovery of economic resources; and on our understanding of Earth history. This unique textbook brings together the traditional disciplines of sedimentology and geomorphology to explain Earth surface processes, landforms and sediment deposits in a comprehensive and integrated way. It is the ideal resource for a two-semester course in sedimentology, stratigraphy, geomorphology, and Earth surface processes from the intermediate undergraduate to beginning graduate level. The book is also accompanied by a website hosting illustrations and material on field and laboratory methods for measuring, describing and analyzing Earth surface processes, landforms and sediments.

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Customer Reviews

"...the writing is authoritative, up-to-date references enable the reader to access source material with ease, the diagrams are excellent, the scope is novel and illuminating, the content is wide-ranging, and there is an invigorating focus on processes as the key to understanding. Overall, this advanced-level textbook is a must-have for sedimentologists..." - Geraint Owen, The Holocene"...a must-have book for the engineering geologist because it so completely covers the full spectrum of surficial geologic issues with which we contend on most projects. ... Indeed, Bridge and Demicco should be congratulated for taking such a large volume of work and condensing it down to

only 815 pages. ... from this book alone, the reader can readily gain a sufficient understanding of the Earth's surface processes and deposits to be conversant and productive in their work. I highly recommend this book as a desktop reference, even for those who already have those other books on each specific topic." - Eldon . Gath, Environmental & Engineering Geoscience"For readers who have tasted the study of the earth surface processes only within a physical geology monograph, this book is what they have hungered for...This detailed, comprehensive, well-organized book is richly supported with figures and illustrations...Highly Recommended. - CHOICE

Bringing together the disciplines of sedimentology and geomorphology, this textbook explains Earth surface processes, landforms and sediment deposits in a comprehensive and integrated way. It is designed for a two-semester advanced undergraduate- and graduate course, and is accompanied by a website hosting material on field and laboratory methods.

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